

NEWS LETTER

Society of American Bacteriologists

OFFICE OF THE
SECRETARY-TREASURER

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1951 OFFICERS AND COUNCILORS

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Invited Members (Non-Voting):

The Editors-in-chief of BACTERIOLOGICAL REVIEWS
and THE JOURNAL OF BACTERIOLOGY, the Chairman of the Program Committee,
and the Director of Local Branches

Council Policy Committee:

W. J. Nungester, <i>Chairman</i>	H. W. Scherp, <i>Secretary</i>
Barnett Cohen	R. J. Dubos
	J. R. Porter
H. J. Shaughnessy (1951)	Martin Frobisher, Jr. (1952)
	G. M. Dack (1953)

NOTICE

Notices for the autumn issue of the *News Letter* must be in the hands of the Secretary-Treasurer by September 25.

THE ANNUAL MEETING

The 51st General Meeting of the Society, held from May 27 to May 31 in Chicago, attracted the largest number of registrants in the history of the Society and the program similarly comprised the largest number of papers ever presented. Owing to the unusually large number of session rooms available in the headquarters hotel, it was possible to place on the program all of the papers submitted, a condition that will probably not exist in future meetings. In all, 275 papers were presented, and in addition, there were 8 symposia on topics of special interest. At the time when these notes were prepared (June 13), a complete statement of the registration was not available. The last figures heard at the Meeting indicated a total registration of more than 1980.

The Society is deeply indebted to the Program Committee, under the chairmanship of Dr. J. R. Porter, and to the Local Committee on Arrangements, under the chairmanship of Mr. J. C. McCaffrey. The success of the meeting was, as always, due in large measure to the careful planning, hard work and constant attentiveness of the members of these committees.

THE 1952 ANNUAL MEETING—BOSTON

The next General Meeting of the Society is scheduled for Boston, April 27—May 1, 1952. The results of surveys carried out by previous Secretary-Treasurers indicate that the last week in April or the first week in May suits best the convenience of the majority of our members. *Please note* that because of the earlier dates of the meeting, it has been necessary to advance the *deadline for receiving abstracts to January 10, 1952.*

THE GENERAL BUSINESS MEETING

Report of The Committee on Resolutions

Resolved:

That the Society of American Bacteriologists on the occasion of this 51st General Meeting, desires to express heartfelt gratitude to its hosts, the Society of Illinois Bacteriologists. We are especially grateful to the local committee for its effective efforts to provide suitable arrangements, a warm and friendly welcome, and efficient management.

The Program Committee is to be commended for the excellent, well arranged, stimulating series of papers and symposia that have been presented.

The Division Chairmen, Meeting Chairmen and Conveners are deserving of commendation for the successful performance of their often arduous duties.

The Society desires to express its appreciation to the Publicity Committee and to the representatives of the Press for their efforts to present significant reports of our meetings to the public.

To Dr. James M. Sherman, who has recently completed his highly effective work as Editor of the *Journal of Bacteriology*, and to Dr. Barnett Cohen, who all too soon plans to relinquish his duties as Editor of *Bacteriological Reviews*, the Society owes a special debt of gratitude.

We are grateful to Dr. John E. Blair for his work as Secretary-Treasurer, and congratulate him upon his progress toward recovery from the illness which forced him to retire from office.

Finally, it is with deep regret that the Society records the death, during the year 1950, of the following members: Miss Jessie R. Beadles; Dr. Charles A. Behrens; Dr. William N. Berg; Dr. William P. Briggs; Dr. Kenneth L. Burt; Dr. George E. Coleman; Dr. R. Perry Elrod; Dr. Alcides Godoy; Dr. Margaret W. Higginbotham; Dr. E. A. Logan; Miss Marie Luckenbacher; Dr. Herbert D. Pease; Dr. Frederick Smith; Dr. M. Maxim Steinbach; Dr. Edward I. Sugarman; Dr. John A. Toomey.

Respectfully submitted,

Committee on Resolutions:

Paul S. Prickett

William B. Sarles

Randall L. Thompson

Report of The Special Committee on Information Concerning Civil Defense Against Biological Warfare

1. Whereas it has been reported by official government sources that biological warfare might be used and might be an effective means of warfare, and
2. Whereas members of this Society are being extensively consulted by persons concerned with civil defense seeking specific information on which to base their plans, and
3. Whereas members of this Society have little detailed information of use in meeting these requests, and
4. Whereas official published information released up to the present time has been of a more general nature than would be most useful to bacteriologists in meeting these requests for aid in civil defense planning

Therefore, be it resolved that we express the hope that the Civil Defense Administration will make available in the near future such specific technical information as may be properly released,

in order to enable bacteriologists and other technical personnel to meet their community responsibilities relative to civilian defense.

C. A. Evans, Chairman
H. O. Halvorson
A. F. Lazarus
H. P. Treffers

Report of The Defense Research Information Service Committee

The Defense Research Information Service of which announcement was made in the April S.A.B. *News Letter*, was established by President Walter J. Nungester with the approval of the Council. This was an important action and may have far reaching effects on the Society and the nation. As Dr. Nungester stated in his presidential message dealing with our 1951 program, "Never as bacteriologists have we had a more powerful stimulus to work together for the welfare of so many people." At this time of national emergency, we as individuals and as a Society must be prepared to apply our special talents and abilities to meet any possible crisis. This demands the full cooperation of all members, the sharing of ideas and unselfish working together for the common good. Bacteriologists have always contributed much to the national welfare, in peace as well as in war. It may be that in another war our responsibilities will be even greater.

The members of the committee to direct the Defense Research Information Service were selected by Dr. Nungester to represent as fully as possible in a small group, the various interests of the members of the Society. Dr. John C. Garey represents agricultural and academic fields, Dr. F. M. Hildebrandt is active in industrial microbiology and the Chairman has had experience in medical microbiology and has some knowledge of military interests and needs in microbiology.

Specifically, this Committee is prepared to assist microbiologists in contributing to the National Defense Program by:

- (1) Giving informal assistance to investigators in placing their ideas before appropriate agencies.
- (2) Suggesting sources of support for research of importance to the National Defense effort.
- (3) Suggesting problems of special interest to defense.
- (4) Assisting members to get their ideas and suggestions placed before persons or agencies capable of evaluating such ideas or suggestions in relation to defense needs.
- (5) Collecting information upon which the committee may base suggestions concerning specific research problems and places where such investigations may be carried out.

The Register of Bacteriologists under the Placement Bureau of the S.A.B. will contribute much to our ability to meet effectively our responsibilities. Your cooperation in both these activities is urgently solicited.

There appears to us to be a third area of responsibility that the S.A.B. should assume. This has to do with the proper utilization of qualified personnel under the Selective Service System. The Defense Research Information Service and the Register can both be helpful but neither has the responsibility of being prepared to give Selective Service officials answers to certain fundamental questions and guidance in the proper utilization of Microbiological Manpower Potential. Such questions as may be asked must be accompanied by clear explanations to show the applications and uses of microbiology in agriculture, industry and health. Unless the S.A.B. is prepared to answer such questions as the following our better students and our young research people will not be available to work on problems that we all know are essential to the National welfare and possibly National survival! Selective Service needs to know:

- (1) What is a microbiologist—or bacteriologist?
- (2) What does a microbiologist do?
- (3) What can a microbiologist do to help in the defense effort?
- (4) How many microbiologists are there?
- (5) How many microbiologists will be needed in the emergency?

Microbiologists have come of age. We must assume our responsibilities in this emergency. It is up to us to present ourselves in a dignified, dispassionate and realistic manner. We must evaluate our own science without recourse to propaganda or emotion. Unless we do this someone not as well qualified will do it for us, to our disadvantage and the disadvantage of the world.

No committee, or several committees, can do this job alone. This Committee invites, urges and welcomes your help and suggestions.

Roger D. Reid, Chairman

Report on The Employment Bureau

To date an estimated 2500 returns of the Register of Microbiologists have been received. (Have you sent in yours?)

With the growth in membership of the Society there has been a greater demand for service from the Employment Bureau. The purpose of the Bureau is quite simply stated: To bring together the person looking for a job and the person who is looking for someone to fill a job. There are 190 people enrolled that are looking for jobs and 60 different employers visited the office during the meetings to look over the records. There was a large number of interviews during the meeting.

The Bureau has tried to discuss with people the general employment problems and to give advice as fast as possible.

The one big problem that the Bureau faces is in trying to keep posted on the current status of employees. People who have applied to the Bureau for jobs, and then have found them on their own, have failed to notify the Bureau that they have positions, and the Bureau continues to keep their names on file. There is a \$5.00 deposit required of each person applying for a job through the Bureau as an enticement to notify the Bureau if he obtains a position through other channels. Upon receipt of such notification, the \$5.00 deposit is refunded.

Another problem is when employers write to the Bureau for information, stating the nature of the positions that they have open. The Bureau sends them the records of the people best suited for these positions with a request that the records be returned promptly. This is not always done.

Changes of address are often slow in getting to the Bureau.

It may be asked why the Society does not give this service to employees and employers without charge, as some organizations do. This question may be answered by citing the example of other scientific societies whose members pay more dues than ours and receive a *News Letter* but no journals. Members of the S.A.B. pay \$9 dues and receive the *Journal of Bacteriology*, *Bacteriological Reviews*, the *News Letter* and *Bacteriological Proceedings*. If the Society were charged with paying for the employment service, the dues would probably have to be increased. Actually, the Employment Bureau feels that the Society owes it some service, since there might be a time when the Society will need a professional man whom the Bureau will be able to supply.

Grant L. Stahly, Director

Report of The Secretary-Treasurer

Since full details of operations for 1950 and of the budget for 1951 had been published in the April *News Letter*, discussion of finances was confined to a statement that so far during 1951, the Society was living within its budget.

Attention was directed principally to a consideration of the reorganization of the office of the Secretary-Treasurer and of the implementation of the Business Management Service Agreement. It was pointed out that the problems of the Secretary-Treasurer had been under discussion by the officers and Council of the Society for at least five years without definitive action until Dr. Blair was authorized at the Baltimore meeting in 1950 to increase the budget for his office and effect a reorganization centering about the employment of an executive assistant who would assume re-

sponsibility for the routine work. Dr. Blair's enforced resignation owing to illness precipitated a crisis which exposed the weakness of even this improved mode of operation. Basically, there seemed to be three solutions: (1) continue on the same basis (despite strenuous efforts by Dr. Cohen, no suitable candidates could be found); (2) hire a full-time executive secretary and establish a more-or-less permanent office for the Society (analysis indicated that this plan would be inordinately expensive in relation to our present needs and resources); and (3) continue to operate through an elected Secretary-Treasurer while taking advantage of a limited business management service such as the one offered by the Williams and Wilkins Company. The last scheme would seem to be optimal for the foreseeable future. The Society avoids a long-term commitment to a full-time Executive Secretary. The Society retains full control of its affairs, for the business management is subject to the policy-making direction of the Secretary-Treasurer, and through him of the other officers, of the Council Policy Committee and of the Council of the Society, who are in turn accountable to the members. The Society has at its disposal the facilities of a large business organization (accounting, bookkeeping, typing, mailing, printing, etc.) when needed (especially at times of peak load such as the annual meeting, billing of members, collection of dues and recording, collection and checking of the ballots of the annual election), but does not have the bother and expense of maintaining such an organization during the interim. There is great advantage in carrying on these activities in the office of the publisher of our Journals, for much of the routine concerns publication problems and much duplication and correspondence is eliminated. So long as the present type of agreement continues, the Society obtains at minimal cost a stable base of operations, thus avoiding the period of confusion that was formerly inevitable whenever a new Secretary-Treasurer took over. The problem of succession in this office, therefore, should be greatly simplified. At the present time, besides the Secretary-Treasurer, four persons in the Williams and Wilkins Company are becoming experienced in the affairs of the Society, so that there is ample coverage against almost any conceivable exigency. Finally, the present trend indicates that the cost of operation will not exceed the amount authorized by the Council in 1950 for Dr. Blair's reorganized plan of operation (making due allowance for the existing inflationary tendency).

The "Business Manager," Mr. Francis C. Harwood, was introduced and gave a concise discussion of the reasons why the Williams and Wilkins Company had thought it appropriate to offer a limited business management service to scientific

societies (at present, one other society approximately the size of the S.A.B., namely, the American Society of Dentistry for Children, employs this service). Starting in 1890 as a printer of scientific books, a dual organization evolved—the Waverly Press, printers, and the Williams and Wilkins Company, publishers of scientific books and journals, of which the Journal of Bacteriology was one of the first. The dual operation consists in the fact that the function of a publisher is essentially the commercial act of marketing the material produced by the printer. At present, Waverly Press prints 137 journals, for example, only 25 of which are published by the Williams and Wilkins Company. As the Societies grew, so did the publisher, and as the Societies' problems expanded, it seemed logical to extend the services of the Company into a third area, i.e., business management. This service is offered on a non-profit basis. Nevertheless, certain advantages accrue. The additional function smooths out the work load of a large office. There is an increased convenience in handling the affairs of the Journal, e.g., delays owing to the necessity of correspondence with the Secretary-Treasurer on routine items are eliminated. Additional printing business for the Waverly Press is to be anticipated, but this is not detrimental to the Society, for the investigation of publishing and printing costs made by the Society in 1950 (see the News Letter for November, 1950) showed that the costs were competitive and in addition, the Waverly Press is familiar with the Society's printing problems and customs.

Report of Council Meeting

The Council met on Sunday, May 27, from 2:30 P.M. to 7 P.M. and considered a variety of questions that have been presented to the Society.

On the basis of a discussion similar to that given above by the Secretary-Treasurer and by the Business Manager, and following an analysis of comparative financial statements, the Council accepted unanimously an offer from the Williams and Wilkins Company to continue the Business Management Service Agreement for a second year on the original terms, subject to a maximal increase in cost of ten per cent (i.e., \$850.00) if necessitated by the present inflationary trends.

The Council approved unanimously a recommendation of the Council Policy Committee that the Secretary-Treasurer aim to increase the Society's financial reserves to be equivalent to two years' dues per member with a minimum of \$50,000.00.

Earlier in the year, Dr. Nungester appointed an *ad hoc* committee to report on (1) the desirability and feasibility of publishing under the Society's sponsorship a new journal in the field of applied and industrial microbiology and (2) on the problem

of the publication of abstracts of papers presented before the Local Branches. The Committee consisted of Dr. Barnett Cohen, Chairman (represented the Publication Board of the Society), Dr. W. H. Ferguson (Councilor of the Michigan Branch), Mr. J. H. Richardson (as Director of Local Branches and as representative of the Secretary-Treasurer), and Dr. Orville Wyss (Councilor of the Texas Branch). The Council endorsed enthusiastically the report concerning a new journal (this report is reproduced below) and authorized exploration of the practical problems of establishing such a journal. Following extended discussion of the report on the publication of abstracts, the Secretary-Treasurer was directed to publish this report in the *News Letter*, and to determine by a mail ballot the wishes of the membership in regard to such publication. On the advice of a considerable number of members that this question might not receive due consideration if presented in the summer issue of the *News Letter*, the Secretary-Treasurer has decided to postpone the matter until the next issue.

The Secretary-Treasurer was authorized on grounds of economy and efficiency to include in future Directories of the Society only the names and mailing addresses of members (as was done prior to the 1950 Directory), to defray the costs of such Directories so far as possible by the sale of advertising, and to publish such a Directory annually if it be financially feasible.

Dr. Nathan R. Smith, the Society's representative to the American Institute of Biological Sciences, presented a thorough and able report of the activities of the A.I.B.S. during the past year. Following careful consideration of all phases of the question, the Council decided not to continue the Society's membership in the A.I.B.S.

Owing to the problems of travel in the Inter-mountain District, a group of 31 members of the Society, under the leadership of Dr. Richard Thompson, petitioned for the formation of the 29th Local Branch, to be known as the Colorado-Wyoming Branch. The petition was approved.

A list of appointments to committees for 1951-52 was presented and approved (see below).

The sites of future meetings were discussed. Definite commitments have been made to Boston for 1952, San Francisco for 1953, and Pittsburgh for 1954. Tentative plans have been made for New York in 1955 and Texas in 1956.

A report was presented to the Council by Drs. S. R. Damon, T. Francis, Jr., and J. T. Syverton of the work of the Subcommittee on Certification and Problems of Personnel, including a draft of a Constitution and By-Laws for an American Institute of Microbiology. The purpose of such an Institute would be to serve as an enabling organization under which specialty boards could be

established as needed for certification at various occupational levels in any or all phases of microbiology. The report follows:

Statement Prepared by Drs. Thomas Francis, Jr. and J. T. Syverton in Summary of the Activities from 18 May 1950 to 23 April 1951 of the Special Sub-Committee Selected from the Committee on Classification and Problems of Personnel; Revised Corrected Copy (6-13-51)

Dr. Samuel Damon, Chairman of the Committee on Classification and Problems of Personnel with the approval of the Council of the Society of American Bacteriologists appointed a Steering Committee to implement the certification of medical microbiologists by the Advisory Board for Medical Specialties in association with the American Medical Association and to establish an organization to be known as the American Institute of Microbiologists. The membership of this subcommittee is made up of:

L. T. Coggeshall, M.D., Chairman of the Department of Medicine and Dean, Division of Biological Sciences, University of Chicago, Chicago;

William J. Cromartie, M.D., Associate Professor of Bacteriology and Medicine, University of Minnesota, Minneapolis, Minnesota;

Geoffrey Edsall, M.D., Professor and Head of the Department of Microbiology, Boston University, 80 East Concord, Boston, Massachusetts;

Thomas Francis, Jr., M.D., Professor of Epidemiology and Chairman of the Department, School of Public Health, University of Michigan, Ann Arbor, Michigan;

William McD. Hammon, M.D., D.P.H., Professor and Head of the Department of Epidemiology and Microbiology, The University of Pittsburgh Graduate School of Public Health, Pittsburgh, Pennsylvania;

E. H. Lennette, M.D., Ph.D., Director, Viral and Rickettsial Diseases Laboratory, California State Department of Health, Berkeley, California;

Walter Nungester, M.D., Ph.D., Professor of Bacteriology, University of Michigan Medical School and President-Elect of the Society of American Bacteriologists;

H. J. Shaughnessy, Ph.D., Professor and Head of the Department of Public Health, University of Illinois; Chief of the Division of Laboratories, Illinois Department of Health, Chicago, Illinois;

Colonel W. S. Stone, M.C., Commandant, Army Medical Center, Washington, D. C.;

Jerome T. Syverton, M.D., Professor and Head of Department of Bacteriology and Im-

munology, University of Minnesota, Minneapolis, Minnesota;

Norman Topping, M.D., Associate Director, National Institutes of Health, Washington, D. C.;

Thomas B. Turner, M.D., Professor and Head of the Department of Bacteriology, School of Hygiene, Johns Hopkins University;

The first meeting was held in the Lord Baltimore Hotel, Baltimore, Thursday, 18 May 1950, at which time Thomas Francis, Jr., was elected Chairman of the group and J. T. Syverton, Secretary. A statement was prepared as requested by Dr. Damon and the Executive Council for transmission to Dr. John E. Blair, Secretary and Treasurer of the Society of American Bacteriologists for circularization to members of the Council of the Society of American Bacteriologists for official approval of the appointment and objectives of the committee. This statement follows:

Statement Prepared at the Request of Drs. Barnett Cohen and John E. Blair, President and Secretary of the Society of American Bacteriologists, by the Special Sub-Committee Appointed by Dr. Damon, Chairman of the Committee of Classification and Problems of Personnel, Society of American Bacteriologists To Members of the Council:

The increasingly urgent demand from members of the S.A.B. for the establishment of standards which will protect the status of medical microbiologists in a field now dominated by other specialties led the President and the Committee on Classification and Problems of Personnel to investigate during the past year the present status of this problem and to formulate a program.

The purpose of the program is to define and to improve the professional status of microbiologists.

The immediate objectives of the program are:

a) to improve and to safeguard the practice of applied medical microbiology;

b) to establish standards of qualification of persons as specialists in medical microbiology;

c) to explore the possibility of establishing a specialty board to certify persons who comply with these standards;

d) to establish an organization, the American Institute for Microbiologists, which can serve as the sponsor for a specialty board for certification by the American Medical Association, and for such other boards as are requested and seem desirable. Since these boards should represent S.A.B. and other closely related microbiological societies, the immediate approach to the problem will be to consult with representatives of allied organizations in the field of microbiology, as

well as with representatives of the established boards for certification.

It is requested that the Council make it possible to activate the plan by advancing \$1000, the need for which will result from the meetings and consultations which are essential for carrying out and expediting the plans.

The Committee will extend this program to other fields as requested and as the opportunity arises.

Dr. Blair on 25 July 1950 made it known that the Council had given its approval to expend as needed \$1000 for activating the plan. This amount will be returned to the Society of American Bacteriologists from the fees that result from certification, if and when the proposed American Institute of Microbiology and specialty board are established. Dr. Syverton was directed to confer with Dr. B. R. Kirklin, Rochester, Minnesota, Secretary of the Advisory Board for Medical Specialties, to learn what requirements must be satisfied before bringing up for consideration the establishment of a new medical specialty board. Dr. Turner and Dr. Syverton were instructed to prepare for consideration by the other members of the committee a draft of the By-Laws and a draft of the Certificate of Incorporation for the American Board of Medical Microbiology. Dr. Francis agreed to write to officers of other organizations with common interests in the establishment of the American Institute of Microbiologists and the American Board for Microbiology, namely, the American Association for Immunologists, the American Society of Tropical Medicine, the American Society of Parasitologists, and the Academy of Tropical Medicine.

The above-outlined duties had been carried out at the time of the next meeting of the sub-committee, which was held on the first day of November, 1950, at the Hotel Statler, St. Louis. Drs. Francis, Cromartie, Edsall, Hammon, Shaughnessy, Turner, and Syverton of the committee were present, and Dr. Damon was present as consultant. The preliminary drafts of the By-Laws and of the Certificate of Incorporation were reviewed by the committee and approved. The requirements outlined as qualifications for certification were essentially similar for both the Ph.D.'s and M.D.'s. These requirements include five years of specialized training beyond the doctoral degree, as made known in the By-Laws of the American Board of Medical Microbiology. It was made known that Dr. Coggeshall had met in September with Drs. Lull and Anderson to discuss the reaction of the American Medical Association to the founding of a new specialty board. It was concluded from this conference that the founding of the new board would be discouraged. A conference was held with Dr. Robert Moore, Washington

University, Secretary of the American Board of Pathology, by the Chairman, Secretary, and Dr. Cromartie. This conference was concerned with the attitude of the American Board of Pathology to the founding of a new board. Dr. Moore pointed out that the American Board of Pathologists could make provisions for microbiologists with an M.D. and the required training. He believed it possible that the Ph.D.'s could be affiliated by mutual contract with the American Board of Pathology. The Secretary summarized the two conferences that he had held with Dr. Kirklin, Secretary of the Advisory Board for Medical Specialties and with Dr. Sanford.

The third meeting of the committee was held in Chicago, 10 February 1951. Drs. Francis, Cromartie, Edsall, Hammon, Shaughnessy, Turner and Syverton presented before the Committee on Standards and Examinations of the Advisory Board for Medical Specialties a petition outlining the need for recognition of the microbiologists. This committee was made up of Drs. Mackay, Moore and Faulkner. The petition was accepted for further consideration on Sunday, 11 February, before a closed session of the Advisory Board for Medical Specialties. Drs. Francis, Cromartie, Edsall and Syverton were present to summarize the objectives of the petitioning group and to answer questions. Drs. Mackay, Moore, Buerki, and Kirklin participated with comments favorable to the petitioning group and in favor of the American Board of Laboratory Medicine, to quote from the minutes of the meeting of the Advisory Board of Medical Specialties that section which concerns the proposed Board of Microbiologists. The recommendation was made and duly moved that "the petitioning Committee be authorized to approach the American Board of Pathology and to negotiate with them on such a broad reorganization. (Ed. comment: This refers to the American Board of Laboratory Medicine.) That if the Board of Pathology and the group representing the Microbiologists can get together in their thinking, they are authorized to proceed without reporting back to us for approval next year." Dr. Moore as representative of the American Board of Pathology offered to have the American Board of Pathology meet with the sub-committee at the earliest convenient time to learn whether it would be possible to work out a plan which would be acceptable to the two groups.

The fourth meeting of the sub-committee, a joint meeting with the American Board of Pathology, was held 25 April 1951 in Cleveland, the day preceding the meetings of the American Association of Pathologists and Bacteriologists. Drs. Francis, Cromartie, Edsall, Hammon, Lennette, Nungester, and Syverton of the subcommittee were present. Following a discussion that lasted for

several hours, Dr. Robert Moore, as spokesman for the American Board of Pathology, proposed that the petitioning group become affiliated with the American Board of Pathology as an independently operating group. Under this plan, medical microbiologists in the Ph.D. category were to be certified as affiliates of the American Board of Medical Microbiology. It should be recognized that the proposal of this sub-committee for the establishment of the proposed American Board of Laboratory Medicine was not received favorably. It was proposed by Dr. Moore that two microbiologists selected by a sponsoring group, such as the American Institute of Microbiology or the Society of American Bacteriologists, were to serve as two of the twelve members of the American Board of Pathology. Similarly, two members from the American Board of Medical Microbiology were to serve on the American Board of Pathology. However, representation before the Advisory Board of Medical Specialties would be limited to the two representatives from the members of the American Board of Pathology. The two groups tabled temporarily the numerous questions of policy and differences of opinion by a tentative arrangement whereby four members from each committee will meet within the next several months to formulate a plan mutually acceptable in an attempt to bring together the pathologists and the microbiologists. It should be recognized that the members of the American Board of Pathology at the Cleveland meeting were not willing, at least at present, to approve the "broad reorganization" of their board, as suggested by the Advisory Board for Medical Specialties. Accordingly, it is believed that continued negotiations are indicated, particularly with the objective of establishing for Ph.D.'s comparable standards, qualifications, and privileges. If a desirable solution cannot be worked out with the American Board of Pathology, the problem should be reviewed in February 1952 before the Advisory Board for Medical Specialties, particularly since it is the impression of the sub-committee that many members of the Advisory Board for Medical Specialties favor the proposed American Board of Laboratory Medicine with sub-specialty boards for the branches of laboratory medicine.

It should be recognized that complete support of the Society of American Bacteriologists is desirable, particularly if negotiations are to be continued in the name of the Society of American Bacteriologists. Moreover, it must be recognized by each member of the Society of American Bacteriologists that the solution of this problem will not be readily accomplished and that it requires full cooperation and support in time and money. Finally, it should be pointed out that if progress is not made as opportunities develop, it may not be possible to achieve the objectives.

The tentative constitution and by-laws of the proposed American Institute of Microbiology were reviewed in Chicago by the members of the Sub-committee, the members of the Committee on Certification and Problems of Personnel and such Councilors as wished to do so. The revised Constitution and By-Laws were approved by the Committee on Certification and Problems of Personnel and such members of the Council and Council Policy Committee as were present. The action taken by the 150 members present at the Business Meeting on Wednesday, 30 May 1951, is made known in the Secretary's report of the minutes of that meeting.

Thomas Francis, Jr., President

Jerome T. Syverton, Secretary

A major part of the General Business meeting was devoted to an extended discussion of the problem of certification, the gist of which was an expression of a desire of the members to be more adequately informed and to be consulted before definitive action is taken by the Council. In the end, the following resolution was offered by Dr. Norman C. Laffer:

"In order that all members of the Society of American Bacteriologists may be more fully informed of the plans for certification of microbiologists, and that the interests of all groups of bacteriologists may be considered and thoroughly protected, be it resolved:

- "a. That the action taken by the Council, if binding, be well considered and that no final action be taken until the end of the fiscal year.
- "b. That the Council or any representative thereof make no commitments or agreements with any organization, specialty board, or representative until those commitments or agreements be explained in detail to the members of the Society of American Bacteriologists, and an opportunity for discussing them be provided at a general meeting of the Society.
- "c. That the local branches of the Society shall be instructed and encouraged to hold open discussions of the problem of certification with adequate previous announcement of the topic to be discussed, and that those discussions be held prior to 1952.
- "d. That the News Letter carry adequate information of these discussions so that the members may be informed of the progress and in January 1952 a mail vote of the membership on this subject be taken."

This resolution was seconded and passed by a vote of 94 to 49.

It was then resolved that a vote of thanks be given to the Subcommittee on Certification and Problems of Personnel for their work on certification.

REPORT OF THE COMMITTEE ON SPECIAL PUBLICATIONS PROBLEMS

This Committee was charged with exploring two matters:

- (1) The problem of the Society again publishing abstracts from Local Branches.
- (2) The desirability of the Society sponsoring the publication of a new *Journal of Applied Microbiology*.

(Secretary-Treasurer's note: as indicated previously, part one of this report will be published in the next issue of the News Letter.)

Your Committee begs to report as follows.

- (2) *On The Desirability of the Society Sponsoring The Publication of a Journal in the Field of Applied (Or Industrial) Microbiology.*

We have canvassed the situation and find the following:

1. From the standpoint of the Society, publication in the field of applied (or industrial) microbiology seems eminently worthwhile. The field is wide open and bound to grow.

2. We can foresee that such a journal could well be self-supporting within three or four years.

3. We anticipate that, if the scope of the journal is properly established, the revenue from advertising should be in due time rather considerable.

4. We feel that the scope of the new journal should be broad enough to attract a wide variety of contributions, not merely those now not suitable for our present journals but also those dealing with the wide range of industrial processes of microbiological interest.

5. We contemplate a journal with a distinctive format, large pages and the possible use of color in the advertisements.

6. We anticipate that a problem may arise in the fact that certain members may demand a choice in journals that they receive. For the present, certainly, this is out of the question. We suggest that this matter be handled most prudently, lest our present satisfactory plan be disarranged to the Society's disadvantage.

7. We have discussed the general problem with officers of the Williams and Wilkins Company, Baltimore. The following proposal is offered by Mr. Robert Gill as is indicated below.

"We had an exploratory discussion together on Friday, April 6th about a proposed Journal of Industrial Microbiology, and I write this as a memorandum of our discussion. Everything is, of course, at this time in a tentative stage.

"The Williams and Wilkins Company stands ready to collaborate with the Society in the launching of such a journal. I am thinking in terms of an arrangement that would be substantially like that under which the Journal itself is published. That is to say, we will accept the ordinary business hazards of inaugurating such a journal, provide the

necessary business vehicle, solicit subscriptions and advertising, and do everything else comprehended under the concept of publishing. We should not require the Society to make any guarantees. We should not require the Society to subscribe for its members or any of them. Almost certainly, for the first year or two, the project would operate at a loss. But if so, the Society would not itself be liable. There would be the provision that when profits are made they are to be divided fifty-fifty between publisher and Society. Any deficit encountered by the publishers prior to the making of a profit would be refunded to the publishers before a fifty-fifty division took place.

"Subscriptions would be solicited from the present subscription list of the Journal of Bacteriology of course, but certainly not confined to that list. We should endeavor to seek out subscribers wherever and wherever they might be. The same for the advertiser.

"The Society would assume full editorial control and be responsible for the furnishing of copy as is the case with the Journal. The new journal would be under the sponsorship of the Society.

"The new project is not to interfere in any way with the present setup of the Journal of Bacteriology and Bacteriological Reviews.

"As to format, we considered that the outside dimensions would be somewhat larger than those of the Journal, and the possibility of a more or less decorative cover was discussed. Industrial and Engineering Chemistry, published by the American Chemical Society was brought forward as an analogous publication.

"We did not discuss much detail. However, it is obvious that the number of pages to be published in a volume for a given price must bear a relation to that list price, and the chances are that it will be in the nature of a cent and a quarter a page. That is to say, if 600 pages are published, the subscription price would be \$7.50.

"Such a relationship is, as you know, very flexible and is governed by two important factors, namely the volume of advertising revenue and the total number of subscribers.

"I don't think periodicity was mentioned at all, but certainly the journal should be published at least bimonthly, and probably a monthly would be better, particularly if we are successful in getting a considerable advertising revenue.

"To the best of my memory that sums up our conversation. Of course we stand ready to discuss further at any time."

Sincerely yours,
Robert S. Gill

8. This letter indicates that the Williams and Wilkins Co. is willing to undertake all the financial risks of putting out the new journal.

9. We have given no serious thought about the

editorial responsibilities. They are going to be quite different from those of our other journals. However, we feel certain that we have the proper talents in the Society.

Recommendation.

We recommend that the S.A.B. and its officers give the proposal its most serious attention; and if the proposal is accepted favorably, that the President appoint a Committee of four (two of whom shall be officials and two suitable councilors (not officials)) to look into the situation more extensively and to present concrete recommendations, including a slate of at least three persons of proper qualifications for the editorship or governing editorial board of the new journal. It has been suggested that the journal be named: *Industrial Microbiology*.

Respectfully submitted,
Barnett Cohen, Chairman
Wm. W. Ferguson
James H. Richardson
Orville Wyss

Following approval by the Council of the foregoing report, Dr. Nungester appointed the following committee, as specified in the report: Dr. John Hays Bailey, Dr. Rene J. Dubos, Dr. Henry W. Scherp, and Dr. Wayne W. Umbreit, Chairman.

COMMERCIAL SOLVENTS AWARD

The first Commercial Solvents Corporation Award in Antibiotics was presented to Dr. Gladys L. Hobby, as representative of the Pfizer Research Team, at the annual banquet with the following citation by Dr. Nungester:

"For the first time our Society is charged with selecting a recipient for an award made possible by the generosity of the Commercial Solvents Corporation. This award is made to the person or group of persons working in the Western hemisphere who, in the judgment of the committee, have contributed outstanding work in the field of antibiotics during the past year.

"The first award is made to the Pfizer group for the discovery of the new antibiotic Terramycin. Their studies have included the isolation and crystallization of the active material and the determination of its chemical, physical, pharmacological and antibacterial properties.

"Dr. Hobby, as representative of your team, I wish to present you, in behalf of our Society and the Commercial Solvents Corporation, individual scrolls for yourself and the members of your team: Drs. A. C. Finlay, J. H. Kane, S. Y. P'an, P. P. Regna, J. B. Routien, D. B. Seeley, G. M. Shull, B. A. Sobin, I. A. Solomons and J. W. Vinson.

"It is also my pleasure to give you this check for \$1000.00."

ELI LILLY AWARD

The Eli Lilly and Company Award was presented to Dr. Seymour S. Cohen at the annual banquet with the following citation by Dr. Nungester.

"The Eli Lilly Award for 1951 is granted to Dr. Seymour S. Cohen, now Assistant Professor of Physiological Chemistry in Pediatrics at the University of Pennsylvania Medical School. He is a graduate of the College of the City of New York in 1936, receiving his Ph.D. degree from Columbia University in January, 1941.

"The Award is granted to him in recognition of his outstanding research in the biochemistry of bacteria, especially in regard to host-virus relationships. The following contributions of Dr. Cohen deserve particular mention.

1. The employment of immunological techniques to rule out the host problem when studying the question of ribonucleic acid in the phage viruses.
2. The demonstration of the contribution of host ribonucleic acid to the virus, a point which is now regarded as opening up a new field of research.
3. His investigations of the coli-phage system, which have thrown new light on the concept of virus multiplication, and
4. Finally, work still in progress, designed to demonstrate the chemical pathways followed in the course of glucose degradation in the coli-phage system.

"Dr. Cohen, it gives me great pleasure, in behalf of the several associated societies and the Eli Lilly Company to present to you this medal in honor of your accomplishments, and also a check for \$1000.00."

REPORT OF THE NOMINATING COMMITTEE

The Nominating Committee has nominated the following members of the Society as candidates for office during 1952. One candidate is to be elected to the office of Vice-President, and two as Councilors-at-Large. Ballots will be mailed in the Fall. Biographical data are adapted from "American Men of Science."

For President

Dr. Rene J. Dubos, Rockefeller Institute, New York, N. Y. St. Brice, France, Feb. 21, 01. B.S., Inst. nat. agronomique, Paris, 22; Ph. D., Rutgers, 27; Sc.D., Rochester, 41; M.D., Liege, 47; Sc.D., Harvard. Res. asst. soil microbiol., N. J. Exp. Sta., 24-27; asst. Rockefeller Inst., 27-29, assoc., 29-38, assoc. mem., 38-41, mem., 41-42; George Fabyan Prof. Comp. Path. and Prof. Trop. Med., Harvard med. sch., 42-; mem., Rockefeller Inst., 44-

John Phillips Mem. award, Am. Col. Phys, 40; Mead Johnson award, Am. Acad. Pediat, 40; Lasker award, 48. Nat. Acad; S.A.B. Cellulose decomposition by aerobic bacteria; oxidations and reductions in bacterial cultures; decomposition of capsular polysaccharides of pneumococcus by bacterial enzymes and their use in the study of infections; use of specific bacterial enzymes in biochemistry; antibacterial agents of biological origin; bacterial toxins; bacillary dysentery; tuberculosis.

For Vice-President

Dr. Gall M. Dack, University of Chicago, Chicago, Ill. Belvidere, Ill., March 4, 01. B.S, Illinois, 22; Ph.D, Chicago 27, M.D, 33. Instr. hygiene and bacter, Chicago, 25-29, asst. prof, 29-37, assoc. prof. bacter, 37-46, prof, 46-; director, Food Research Inst, 46-. Ricketts prize, 25. With Office Sci. Research & Develop; U.S.A; U.S. Pub. Health Service; Nat. Research Council. A.A; S.A.B; Soc. Exp. Biol; Pub. Health Assn; Cent. Soc. Clin. Research. Botulism; ulcerative colitis; salmonella infection; staphylococcal food poisoning in general and intestinal bacteriology.

Dr. Colin M. MacLeod, New York University College of Medicine, New York. Port Hastings, Nova Scotia, Jan. 28, 09. M.D, McGill, 32. House officer, Montreal General Hosp, 32-24. Asst. Rockefeller Hosp, 34-38, assoc, 38-41; prof. microbiology and chairman of dept, N.Y.U, 41-; dir. microb. University Hosp, 48-; dir. comm. on pneumonia, Army Epidemiological Board, 41-46; president, Armed Forces Epidemiological Board, 46-; chief, Prev. Med. Sect, C.M.R, O.S.R.D, 44-46; antibiotics study section, U.S.P.H.S, 46-49; panel on military and field medicine, Research and Development Bd, National Military Establishment, 48-; comm. on chemotherapy, Chemical Biological Coordinating Center, N.R.C, 48-50; comm. on arthritis and rheumatic diseases, N.R.C, 49; chairman, comm. on research, Arthritis and Rheumatism Fdtn, 50-; visiting comm. medical department, Brookhaven National Lab, 49-. A.A.A. S; S.A.B; Assoc. Immunol. (pres. 51); Soc. Exp. Biol. and Med. (assoc. editor 47-49). Soc. Clin. Invest; Assoc. Am. Physicians; Harvey Soc; N.Y. Academy Sciences; N.Y. Acad. Medicine (Chairman, Section on Microbiology, 51); Soc. Gen. Microb. Antipneumococcal immunization; chemotherapy; bacterial genetics (transformation reactions); rheumatic fever.

Dr. Geoffrey W. Rake, Medical Division, E. R. Squibb and Sons, New York, N.Y. Fordingbridge, Eng, Oct. 18, 04, nat. 42. M.B. and B.S, London, 28. House physician, Guy's Hosp, 27-28; asst. and instr. path, Hopkins, 28-31; asst, Rockefeller Inst, 31-34, assoc, 34-36, research assoc, Connaught Labs, Toronto, 36-37; head div. microbiol, Squibb Inst. Med. Research, 37-49, director med. div,

49-. Beaney prize; Rettlinger prize; Hilton prize; Stokes prize; Treasurer's medal. Civilian with Office Sci. Research & Develop; U.S. Pub. Health Service. S.A.B; Asn. Path; Soc. Exp. Biol; Soc. Epidemiol; Soc. Immunol; Harvey Soc; fel. N.Y. Acad. Med; Theobald Smith Soc; fel. Royal Soc. Med; Achalasia of cardia; nephritis; thyrotoxic heart; meningococcus; pneumococcus; measles; lymphogranuloma venereum; chemotherapy; antibiotic substances; microbiology; mode of action of antibiotics; viruses, especially Chlamydozoaceae, pox viruses and tuberculosis.

For Secretary-Treasurer

Dr. Henry W. Scherp, Univ. of Rochester School of Medicine & Dentistry, Rochester, N. Y. New Rochelle, N.Y, March 15, 08. B.S, Dartmouth Col, 28; M.S, Harvard, 29, Ph.D, 31. Asst, Rockefeller Inst, 31-34; fel. col. physicians and surg, Columbia, 34-35; instr. bacter, sch. med, Pennsylvania, 35-37; immunochem, sch. med. and dent, Rochester, 37-40, asst. prof. 40-46, assoc. prof. bacter. and immunochem, 46-. Civilian with U.S.N. Chem. Soc; S.A.B; Asn. Immunol; Soc. Pediatric Research. Organic chemistry; chemistry and immunology of bacteria and viruses.

For Councilor-at-Large

Dr. Sara E. Branham, National Inst. of Health, Bethesda, Md. Oxford, Ga, July 25, 88. A.B, Wesleyan Col. (Ga.); A.B, Colorado, 19, hon. Sc.D, 37; M.S, Chicago, 21, Ph.D, 23, M.D, 34, Asst. bacter, Colorado, 17-19; Chicago, 19-22, assoc, 22-23, instr. hygiene and bacter, 23-27; assoc. bacter, Rochester 27-28; assoc. bacteriologist, U.S. Pub. Health Service, 28-29, bacteriologist, 29-31, senior bacteriologist, 31-. Trustee, Wesleyan Col. (Ga.) 39-36. Consultant, U.S. Army Meningitis Cmn. Ricketts prize, 24. A.A; S.A.B; Soc. Exp. Biol; Pub. Health Asn; Asn. Immunol; South. Med. Asn; Wash. Acad; Med. Soc. D. C. Influenza; Salmonella toxins; meningococcus and epidemic meningitis; toxins of Shiga type dysentery; control and standardization of biologicals.

Dr. R. G. E. Murray, University of Western Ontario, London, Ont., Can. Ruislip, England, May 19, 19. B.A, Cantab; M.A, Cantab; M.D, C.M, McGill; Captain Royal Canadian Army Med. Corps; following appointments dept. bacter. & immunol, Western Ontario: lect, asst. prof, assoc. prof, prof. & head of dept; S.A.B, Faculty of Med. on University Senate; Chairman Laboratory Section, Member Council Canadian Public Health Assoc, 50; First President Canadian Society of Microbiologists, 51.

Dr. Dennis W. Watson, University of Minnesota, Minneapolis, Minn. Morpeth, Ont, Can, April 29, 14, nat. 46. B.S.A, Toronto, 34; M.Sc, Dalhousie, 37; Ph.D, Wisconsin, 41. Asst, Biol. Board Can, N.S, 35-37; sci. asst, Fisheries Research Board, Can, 37-38; teaching asst, Wisconsin, 38, asst, 38-41, Wisconsin Alumni Research Foundation fellow, 41-42, research assoc. agr. bacter, 42; visiting asst, Rockefeller Inst, New York, 42; asst, Connaught Labs, Toronto, 42-44; asst. prof. agr. bacter, Wisconsin, 46-49; assoc. prof. bacter. and immunol, Minnesota, 49-. U.S.A, 44-46. Chem. Soc; S.A.B; Asn. Immunol; N.Y. Acad. Host-parasite relationships; chemistry and immunology of the tubercle bacillus.

Dr. Chester H. Werkman, Iowa State College, Ames, Iowa. Ft. Wayne, Ind, June 17, 93. B.S, Purdue, 19, hon. D. Sc, 44; Idaho, 21-23; Ph.D, Iowa State Col, 23. Asst. bacteriologist, bur. chem, U.S. Dept. Agr, 18-40; Exp. Sta, Idaho, 20-21; instr. bacter, Iowa State Col, 21-24; asst. prof. microbiol, Mass. Col. and Exp. Sta, 24-25; bacter, Iowa State Col, 25-27, assoc. prof, 27-33, prof, 33-, head dept, 45-. Civilian with U.S.A; War Prod Board. Nat. Acad; A.A; S.A.B; Chem. Soc; Soc. Exp. Biol; fel. Iowa Acad; Biochem. Soc. Gt. Britain. Bacterial physiology; antibiotics.

Appointments for 1951-52

Membership Advisory Committee: L. S. McClung, chairman; Mary Aiken, C. E. Georgi, F. S. Cheever and H. J. Stafseth.

Archives Committee: B. Cohen, chairman; S. Bayne-Jones, H. J. Conn.

Program Committee: J. Y. Sugg, chairman; O. Wyss, vice-chairman.

Publications Board: J. R. Porter, chairman; B. Cohen, W. J. Nungester and H. W. Scherp.

Publicity Committee (Annual Meeting): O. Wyss, chairman, plus the Chairmen of Divisions.

Special Committee on Public Relations: R. Donovanick, chairman; A. P. Krueger and F. Stimpert.

Committee on Bacteriological Technique: M. W. Jennison, chairman; R. C. Bard, H. J. Conn, L. R. Kuhn, H. C. Lichstein, L. S. McClung, A. P. McKee, M. J. Pelczar, A. J. Riker, C. A. Stuart and C. E. Zobell.

Committee on Materials for Visual Instruction in Microbiology: H. E. Morton, chairman; J. W.

Bartholomew, J. Eisenstark, W. H. Ewing and M. C. Dodd.

Committee on Curricula: C. A. Evans, chairman; A. Langlykke, C. S. McCleskey, A. G. Norman and L. Thompson.

Inter-American Society of Microbiology: E. H. Lennette, chairman; K. F. Meyer, G. B. Reed, J. E. Smadel and O. Vargas-Mendez.

Commercial Solvents Award Committee: M. Klein, chairman; J. H. Bailey and T. B. Turner. Representatives to the American Type Culture Collection: R. E. Buchanan and C. Lamanna.

Representative to the International Association of Microbiologists: S. Mudd.

Representatives to the National Research Council: Medicine, M. H. Soule; Agriculture, P. W. Wilson.

Representatives to the American Association for the Advancement of Science: C. P. Miller and R. L. Starkey.

Representative to the Foundation for the Study of Life Cycles: R. R. Mellon.

Technical Advisory Committee to the A.T.C.C.: Harriette D. Vera, chairman; M. L. Littman, J. L. Roberts, Mathilde Solowey and R. P. Tittsler.

Special Committee on Problems of the Annual Meeting: V. F. Verwey, chairman; S. F. Carson, L. S. McClung and J. Y. Sugg.

Defense Research Information Committee: R. D. Reid, chairman; J. C. Garey and F. M. Hildebrandt.

Special Committee on the Establishment of a New Journal for Applied and Industrial Microbiology: W. W. Umbreit, chairman; J. H. Bailey, R. J. Dubos and H. W. Scherp.

ASSISTANTSHIPS

Two assistantships will be available as of September 1, 1951 in the Department of Bacteriology, School of Dentistry and Pharmacy, University of Maryland. The stipend for each is \$100.00 per month. The assistantships offer an opportunity for carrying on graduate work for an advanced degree in Bacteriology. These are teaching assistantships and the holders will be required to assist in the laboratory to the extent of from 12 to 15 hours per week. All communications should be directed to Dr. Donald E. Shay, Lombard and Greene Streets, Baltimore 1, Maryland.

NEWS

The Secretary-Treasurer has received from the National Research Council of Canada a copy of the "Directory and Catalogue of Collections of Microorganisms Maintained in Canada." This is part of the Commonwealth scheme to list all collections of microorganisms maintained in the British Commonwealth. Copies of the Directory are available from the National Research Council, Sussex Street, Ottawa, Ontario, Canada at \$2.50 each. It is requested that, in ordering, the NRC number (2359) be quoted.

Notice has been received from Brock Chisholm, M.D., Director-General, World Health Organization, that "the Executive Board at its seventh session has decided to include the International Association of Microbiologists among those to be brought into official relations with the World Health Organization."

The Secretary-Treasurer has received the following letter from Miss Rose Mattheaei, Executive Secretary, American Society of Medical Technologists:

"The American Society of Medical Technologists wishes to offer to your organization its cooperation as a related association in the Medical Sciences. If you have specified requirements for affiliation for such professional organizations, we shall be happy to present our credentials.

"The American Society of Medical Technologists is the professional organization of Registered Technologists (ASCP) and of those individuals holding a degree at least at a Master's level in the branches of medical technology, together with experience in the same. Our official publication is THE AMERICAN JOURNAL OF MEDICAL TECHNOLOGY. We have a membership of 5,000 throughout the world. There are 46 affiliated societies of medical technologists in the states and territories of the United States.

"We shall look forward to furthering our community interests with your professional group."

News about our Members

Miss Mary Preston Clapp, instructor of Bacteriology at the University of Texas, has accepted a position as bacteriologist at the Veteran's Administration Hospital in Temple. She will continue her work on her doctorate while there.

Dr. Richard Donovan has been appointed Director of the Division of Microbiology in the New Brunswick, New Jersey, Research and Development Laboratories of E. R. Squibb & Sons.

Dr. J. J. Quilligan, formerly associated with Dr. Thomas Francis at the University of Michigan,

is joining the staffs of the Texas Children's Hospital and the Southwestern Medical School.

Dr. William Reiner-Deutsch has been appointed Director of Laboratory Research, New York Eye and Ear Infirmary. He has been associated with that hospital since August, 1950.

Dr. Morris Scherago has been designated as Distinguished Professor of the year 1950-51 at the University of Kentucky. The Distinguished Professor award is the highest honor for scholarly achievement that the Arts and Sciences faculty can accord its members. The honored professor customarily is granted a term free from teaching duties in order that he may give full time to some research project and prepare the annual Arts and Sciences lecture.

After serving several years as leader of American Petroleum Institute Research Project 43A at the Scripps Institute, La Jolla, Calif., Dr. Frederick D. Sisler has moved to Edgewood, Md., to take a position as Assistant Chief, Biological Section, Research Branch, U. S. Army Chemical Corps.

The appointment of W. H. Stark as Executive Assistant to T. O. Wentworth, President, and Thomas Carroll, Vice President has been announced by the Vulcan Copper & Supply Company, Cincinnati.

Dr. S. E. Sulkin received the 1950 Dallas Health Service Award presented annually by the Dallas County Hospital Council "for his practical demonstration that better health makes a better community."

Professor Claude E. Zobell is spending several months on the GALATHEA Deep Sea Expedition examining materials from the deepest parts of the ocean from Japan to Australasia for the presence of microorganisms, with special reference to the barophilic varieties. The expedition is being sponsored jointly by the U. S. Office of Naval Research, University of California, and the Royal Danish Navy.

NEWS AND MEETINGS OF LOCAL BRANCHES

Allegheny Branch (W. W. Leathen, Secretary)

March 31, 1951, Mellon Institute, Pittsburgh, Pennsylvania.

1. Complement-fixing murine typhus antibodies in vitamin deficiency states. Joseph Sarandria and Kenneth L. Wertman, Department of Biological Sciences, University of Pittsburgh.

2. A study of the endoproteases of some oxidative type yeasts. Stephen A. Szumski and J. Frank

Cone, Department of Bacteriology, Pennsylvania State College.

3. Some resistance studies on the smooth phase and a flocculent variant of *Pseudomonas pyocyaneus*. Charles Gainor and C. K. Williamson, Department of Biological Sciences, University of Pittsburgh.

4. Xanthine as a possible intermediate in uric acid catabolism by *Clostridium acidi urici*. Sidney M. Beck and Jay V. Beck, Department of Bacteriology, Pennsylvania State College.

5. Antibody response of *Macaca mullatta* to influenza virus vaccine mixed with adjuvant. Angela Laurant and Jonas Salk, Virus Research Laboratory, University of Pittsburgh School of Medicine.

6. Studies in antibody titer variation. Bettina B. Carter, Institute of Pathology, Western Pennsylvania Hospital, Pittsburgh.

7. Bacteriological experiences of an Army medical laboratory in the field in World War II. A. H. Stock, Children's Hospital of Pittsburgh.

8. Mechanism of biosynthesis of penicillin using C¹⁴. Esther L. Martin, John N. Tome, Carl W. Godzeski and R. W. Stone, Department of Bacteriology, Pennsylvania State College.

9. Studies on a possible relationship between the viruses of St. Louis encephalitis and epidemic keratoconjunctivitis. F. S. Cheever, Graduate School of Public Health, University of Pittsburgh.

10. Address: Recent advances in the knowledge of phagocytosis. W. J. Nungester, Professor of Bacteriology, University of Michigan, Ann Arbor.

Southern California Branch (William D. Rosenfeld, Secretary)

February 23, 1951, University of Southern California, Los Angeles.

Contributions by the Hooper Foundation. Karl F. Meyer, The George William Hooper Foundation, University of California Medical Center, San Francisco.

Connecticut Valley Branch (Katherine Marden, Secretary)

April 25, 1951, University of Connecticut, Storrs.

1. The Randall-Newcomer stain for bacterial nuclei. R. C. Cleverdon, Department of Bacteriology, University of Connecticut.

2. The protection of mice from shock by histamine and by pertussis antigen. Lee S. Kind, Department of Microbiology, Yale University.

3. A simple medium for the growth of leptospira. Kingston S. Wilcox, Bureau of Laboratories, Connecticut State Department of Health.

4. A summary of laboratory findings made during the recent influenza epidemic. Kingston S. Wilcox, Bureau of Laboratories, Connecticut State Department of Health.

5. Microbiological studies on pernicious anemia. Paul R. Burkholder, Department of Plant Science, Yale University.

6. Lecture: The Fate of Injected Antigenic Material. Dr. Albert H. Coons, Department of Bacteriology, Harvard Medical School.

Indiana Branch (Henry Koffler, Secretary)
April 6, 1951, Indiana State Board of Health Building, Indianapolis.

1. Formalin sensitivity of mump; virus. J. O. MacFarlane, J. A. McClain and H. A. Dettwiler, Eli Lilly and Company, Indianapolis.

2. Water purification by flotation. S. H. Hooper, J. C. Schneider, Department of Public Health, Indiana University School of Medicine, and Max C. McCowen, Lilly Research Laboratories, Indianapolis.

3. Degerming the cutaneous surface with quaternary ammonium compounds. Eugene M. Britt and L. B. Schweiger, Miles Research Laboratories, Elkhart.

4. Properties of autoinhibitory factors in cultures of *Escherichia coli*. William R. Lockhart and Dorothy M. Powelson, Laboratories of Bacteriology, Department of Biological Sciences, Purdue University, Lafayette.

5. Charcoal agar culture medium for preparing *Hemophilus pertussis* vaccine. H. M. Powell, C. G. Culbertson and P. W. Ensminger, Lilly Research Laboratories, Indianapolis.

6. A determinative study of amylolytic stenothermophilic bacteria isolated from soil. Egon Stark and P. A. Tetrault, Laboratories of Bacteriology, Department of Biological Sciences, Purdue University, Lafayette.

7. The effect of shaking on bacterial flagella. G. E. Mallett, Henry Koffler and J. N. Rinker, Laboratories of Bacteriology, Department of Biological Sciences, Purdue University, Lafayette.

Maryland Branch (R. J. Allgeier, Secretary)
March 26, 1951, Park Plaza Hotel, Baltimore, Maryland.

1. Survey of Q fever in Maryland. M. J. Synder, Laboratory of Infectious Diseases, School of Medicine, University of Maryland, Baltimore.

2. Some aspects of the production of glycerol by fermentation. H. M. Hodge, Fermentation Research Laboratory, U. S. Industrial Chemicals, Inc., Baltimore.

3. Newer methods of diagnostic medical mycology. Maxwell L. Littman, Walter Reed Hospital Washington, D. C.

May 5, 1951, Camp Detrick, Frederick, Maryland.
1. Superinfection in brucellosis. Emily H. Kelly and Abou D. Pollack, Chemical Corps Biological Laboratories, Camp Detrick, Frederick, Maryland.

2. Competitive utilization of alternate substrates by bacteria. Richard Roberts, Laboratory of Terrestrial Magnetism, Carnegie Institution, Washington, D. C.

3. The isolation of a crystalline inhibitor of virus hemagglutination. F. A. H. Rice, T. G. Ward,

Mary B. Stevens and Ann E. Snider, Johns Hopkins School of Hygiene and Public Health, Baltimore.

4. The effect of cortisone and ACTH on experimental hypersensitivity. Ronald Woods, Wilmer Ophthalmological Institute of the Johns Hopkins Hospital and University, Baltimore.

5. Micro- and macro-cultures. Oram C. Wolpert, Director, Chemical Corps Biological Laboratories, Camp Detrick, Frederick, Maryland.

Michigan Branch (Elizabeth J. Cope, Secretary)

April 7, 1951, Belcrest Hotel, Detroit, Michigan.

1. Application of infrared spectroscopy to bacteriological research. Donald W. Smith, Department of Bacteriology, University of Michigan, Ann Arbor.

2. Results obtained with streptomycin and PAS in tubercular meningitis. Donald Young, Herman Kiefer Hospital, Detroit.

3. The persistence of the Vi antigen of *Salmonella typhosa* in the soil and water. Sara I. Wade and W. N. Mack, Michigan State College, Lansing.

4. Incidence of Parapertussis in the Grand Rapids area as indicated by sixteen years' experience with diagnostic cultures. Pearl Kendrick and Grace Eldering, Michigan Health Department, Grand Rapids.

5. Demonstration by indirect complement fixation of a Forssman type antigen in chickens. Robert F. Gentry, Michigan State College, Lansing.

6. The effect of aureomycin on *Listeria* (movie film). M. L. Gray, S. L. Laine and Frank Thorp, Michigan State College, Lansing.

7. Practical methods of determining the sensitivity of microorganisms to therapeutic agents using paper disks. C. W. Christemon and A. Lipsett, Difco Laboratories, Detroit.

8. The estimation of antibiotic levels in milk by the paper disk method. E. S. Churchill and C. L. Frank, Michigan State College, Lansing.

9. Localization of antibodies in tissue as shown by use of radioactive tracer. C. Knopp and Helen Fischer, University of Michigan, Ann Arbor.

10. Blood groups in sheep. G. L. Sharma, M. L. Gray, R. N. Nelson and Frank Thorp, Michigan State College, Lansing.

Missouri Valley Branch (Officers for 1951: President, Homer L. Chance; Vice-President, John O. Harris; Secretary-Treasurer, Carl E. Georgi.)

March 23-24, 1951, Kansas City, Missouri.

1. Address: Epidemiological studies of histoplasmosis in the midwest. Michael L. Furculow, Investigation Section U.S.P.H.S., University of Kansas Medical Center.

2. Attempts at genetic recombination and type transformation in *Azotobacter agilis*. N. K. Ziebur, R. Conrad and A. Eisenstark, Department of Bacteriology, Oklahoma A. & M. College, Stillwater.

3. Variation of *Salmonella typhosa* in synthetic media. E. A. Van Eck, Department of Bacteriology, University of Kansas, Lawrence, and M. H. Soule, Department of Bacteriology, University of Michigan, Ann Arbor.

4. The influence of pyridoxine and riboflavin on antibody production in the rabbit. A. H. Koffler, R. S. Flippin and B. E. Probst, Department of Biology, University of Kansas City, Kansas City Missouri.

5. New techniques for staining nuclear material in *E. coli*. H. L. Chance, Department of Plant Sciences, University of Oklahoma, Norman.

6. A modification of the Maneval capsule stain. L. F. Lindgren, Department of Bacteriology, University of Nebraska, Lincoln.

7. The tricarboxylic acid cycle and *Ashbya gossypii*. M. N. Schuler and M. N. Mickelson, Chemistry Division, Midwest Research Institute, Kansas City, Missouri.

8. Inhibitory effects of cinnamaldehyde, hydrocinnamaldehyde and cinnamic acid upon several saprophytic fungi. A. Sarachek, Department of Biology, University of Kansas City, Kansas City, Missouri.

9. Fungal cellulases. E. Berry and G. L. Peltier, Department of Bacteriology, University of Nebraska, Lincoln.

10. The biochemical changes and the microbiological aspects of starch release in the anaerobic fermentation of potato tubers. C. E. Georgi, C. W. Ackerson, D. W. Ziegler and M. L. Minthorn, Jr., Departments of Bacteriology and Agricultural Chemistry, University of Nebraska, Lincoln.

11. Studies on influenza: I. The report of strains isolated from a small epidemic at the University of Kansas. G. Taylor, Department of Bacteriology, University of Kansas, Lawrence.

12. Studies on influenza. II. The behavior of recently isolated strains of influenza after intranasal inoculation in white mice. M. J. Taylor, Department of Bacteriology, University of Kansas, Lawrence.

13. The effect of 2,4-D and CADE upon soil microorganisms. H. Koike, Department of Bacteriology, Kansas State College, Manhattan.

14. A bacteriological study of water supplies for tourists and work gangs. V. D. Foltz, Department of Bacteriology, Kansas State College, Manhattan.

15. Sulfhydryl enzymes in relation to bacterial tumor chemotherapy with furacin. M. N. Green, I. Yall and E. C. Heath, Department of Bacteriology and Preventive Medicine, School of Medicine, University of Missouri, Columbia.

16. Cytochemical studies on the alkaline phos-

phomonoesterase in various bacteria. M. Schaechter, Department of Bacteriology, University of Kansas, Lawrence.

17. Encephalitis in the Missouri river basin states. II. Studies on local outbreak of encephalitis in Barnes County, North Dakota. H. A. Wenner, P. Kamitsuka, M. C. Krammer, T. A. Cockburn and E. R. Price, Department of Research Medicine, University of Kansas Medical Center, Kansas City, and Department of Health, Jefferson City, Missouri, and the Department of Health, Bismarck, North Dakota.

18. Serological responses following infection with mumps and Newcastle disease viruses: Appraisal of specific and nonspecific reactions. H. A. Wenner, M. H. Jenson and A. Monley, Department of Research Medicine, University of Kansas Medical Center, Kansas City.

19. Quantitative measurement of infectivity of typhus rickettsiae for embryonated eggs. A. Thurn, T. Metcalf and C. M. Downs, Department of Bacteriology, University of Kansas, Lawrence.

Central New York Branch (Erwin Neter, Secretary)

April 21, 1951, New York State Agricultural Experiment Station, Geneva, New York.

1. Study on the *in vitro* and *in vivo* effectiveness of various antibiotics on *Pasteurella multocida*. Gene A. Gorzynski, Children's Hospital, Buffalo.

2. The susceptibility of *Hemophilus paraptussis* to certain antibiotics. Elizabeth Day and William L. Bradford, University of Rochester.

3. The effects of broad-spectrum antibiotics on the conversion to a gram-negative bacillary flora of the upper respiratory tract. Robert S. McCurdy, Children's Hospital, Buffalo.

4. Inhibitory activity of semen and prostatic fluids on genito-urinary pathogens. Paul W. Taylor, University of Rochester.

5. A carbon dioxide independent meningococcal variant. Priscilla Fenn, University of Rochester.

6. Some aspects of the nutrition of *Agaricus campestris*. P. F. Klens and M. W. Jennison, Syracuse University.

7. A selective medium for the isolation and enumeration of oral lactobacilli. M. Rogosa, National Institutes of Health, Bethesda, Maryland.

8. Study on the growth promoting properties of Endo agar for various streptococci. Frederick Sobotka, Children's Hospital Buffalo.

9. Some new ideas regarding the relationships of the glanders bacillus, Whitmore's bacillus and the organisms causing actino-bacillosis of cattle and sheep. Robert S. Breed, Experiment Station, Geneva.

10. The new International Bulletin of Bacteriological Nomenclature and Taxonomy. Robert S. Breed, Experiment Station, Geneva.

11. Symposium on biological warfare.

(a) Pathogens against man. Wendell R. Ames, Erie County Health Department, Buffalo.

(b) Pathogens against animals. W. A. Hagan, Cornell University, Ithaca.

(c) Pathogens against plants. F. C. Fink, Syracuse University.

Eastern New York Branch (Sophia M. Cohen, Secretary)

April 13, 1951, Rensselaer Polytechnic Institute, Troy.

1. Correlation of physiologic age of influenza virus in embryonated eggs with filamentous structure (electron microscopy) and virus activity. Sophia M. Cohen and Julia M. Coffey, Division of Laboratories and Research, Albany.

2. Mechanism of carbon dioxide fixations. Merton F. Utter (by invitation), Associate Professor of Biochemistry, School of Medicine, Western Reserve University.

Northeast Branch (Genevieve Young, Secretary)

April 6, 1951, Tufts Medical School, Boston.

Panel Discussion: The role of the microbiologist in civil defense.

Presiding: Cecil G. Dunn

Speakers: Geoffrey Edsall, Chief, Laboratory Section, Massachusetts Civil Defense Organization. Discussion: Ralph Wheeler, Howard Lind. Clarence I. Sterling, Jr., Chief, Environmental Sanitation Section, Massachusetts Civil Defense Organization. Discussion: Murray Horwood. Conrad Wesselhoeft, Chief, Communicable Disease Section, Massachusetts Civil Defense Organization. Discussion: Roy Feemster.

Lecture: Uses of blood group specific substances. Ernest Witebsky, Professor of Bacteriology and Immunology, University of Buffalo School of Medicine.

Northwest Branch (Elizabeth R. Hall, Secretary)

April 28, 1951, University of Washington, Seattle.

1. The significance of streptococci in rumen malfunction. R. E. Hungate, Department of Bacteriology and Public Health, State College of Washington, Pullman.

2. The oxidative dissimilation of amino acids and related compounds by *Brucella abortus*. D. R. MacGregor and P. Gerhardt, Department of Bacteriology and Hygiene, Oregon State College, Corvallis.

3. Paracolons in mink. E. L. Foubert, Jr., Department of Biology, Gonzaga University, Spokane.

4. Manometric studies with *Aspergillus niger*. J. J. R. Campbell, D. C. Gillespie and P. J. McCorkell, Department of Dairying, University of British Columbia, Vancouver.

5. Propagation of poliomyelitis virus in cultures of monkey testicular tissue. V. Chambers, Department of Microbiology, University of Washington, Seattle.

6. Adaptation of cellulose digesting bacteria grown on sugars. R. H. McBee, Department of Botany and Bacteriology, Montana State College, Bozeman.

7. The nutritional requirements of *Bacteroides necrophorus*. J. Schmidt, Department of Microbiology, University of Washington, Seattle.

Eastern Pennsylvania Branch (Ruth E. Miller, Secretary)

February 27, 1951, Philadelphia County Medical Society Building, Philadelphia, Pennsylvania.

1. Paper chromatographic studies on products of the enzymatic degradation of deoxyribonucleic acid. Helen R. Skeggs, W. Baumgarten, J. Spizizen and L. D. Wright.

2. Pyrimidine synthesis in *Lactobacillus bulgaricus* 09 as determined by radioactive isotope technique. L. D. Wright, C. S. Miller, H. R. Skeggs, J. W. Huff, L. L. Weed and D. W. Wilson.

3. The critical point method for drying electron microscope specimens. T. F. Anderson.

March 27, 1951.

Panel Discussion: Whither Immunization? Joseph Aronson, The Henry Phipps Institute, University of Pennsylvania; Bettylee Hampil, Sharp and Dohme, Glenolden, Pennsylvania; Raymond A. Kelsor, School of Veterinary Medicine, University of Pennsylvania; Aims C. McGuinness, Graduate Hospital, University of Pennsylvania; Stuart Mudd, School of Medicine, University of Pennsylvania; Elizabeth Kirk Rose, Division of Child Hygiene, Philadelphia Department of Health; Kenneth Goodner, Jefferson Medical College, Moderator.

April 24, 1951.

1. Evidence suggesting that the metachromatic granules of mycobacteria are mitochondria. Stuart Mudd, Loren C. Winterscheid, Edward D. DeLamater and Howard J. Henderson.

2. Studies on infectious hepatitis. Miles E. Drake, Gertrude Henle, Joseph Stokes, Jr. and Werner Henle.

3. Studies on the Psittacosis-L.G.V. group. I. The pattern of multiplication in the allantois of the chick embryo. M. Michael Sigel, Anthony J. Girardi and Emma G. Allen.

4. Studies on the Psittacosis-L.G.V. group. II. Survival of meningoencephalitis virus under various conditions of storage. Emma G. Allen, Anthony J. Girardi and M. Michael Sigel.

May 22, 1951.

Mechanism of action in tuberculin allergy. Cutting B. Favour, Department of Medicine, Peter Bent Brigham Hospital and the Harvard Medical School, Boston.

SOUTH CENTRAL BRANCH

December 9, 1950, Charity Hospital, New Orleans, Louisiana.

1. *Aerobacter* infections in infants. Margaret H. D. Smith and Barbara J. Holmes, Department of Pediatrics, Tulane School of Medicine, New Orleans, Louisiana.

2. Some observations on *Proteus* and *Paracolobacterium* in premature infants at Charity Hospital, New Orleans. Emmarie Hemphill and Elizabeth H. Maupin, Department of Preventive Medicine, L.S.U. School of Medicine, New Orleans.

3. Antibiotic therapy of experimental *Salmonella* infections in young chickens. Kelsey C. Milner, Department of Bacteriology, Tulane School of Medicine, New Orleans, Louisiana.

4. Are black spots on shrimp caused by microorganisms? John A. Alford, Department of Botany, Bacteriology and Plant Pathology, Louisiana State University, Baton Rouge, Louisiana.

5. The propagation of pathogenic fungi in the yolk-sac of the chick embryo. G. John Buddingh and John W. Brueck, Department of Microbiology, L.S.U. School of Medicine, New Orleans, Louisiana.

6. The isolation of saprophytic acid-fast bacilli and aerobic *Actinomyces* in the diagnosis of tuberculosis. Rebecca A. Holt, Department of Pathology, Touro Infirmary, New Orleans, Louisiana.

7. Experimental peritonitis in the evaluation of antibiotics. Conan H. Millstein, Edwin J. Pulaski and Russell E. Brame, Surgical Research Unit, Brooke Army Hospital, Ft. Sam Houston, Texas.

8. Report of eight cases of dysentery caused by *Shigella paradysenteriae* Flexner III. Virginia White, Department of Pathology, Charity Hospital, New Orleans, Louisiana.

9. Interference between St. Louis encephalomyelitis and Western equine encephalitis viruses along a neuronal pathway. Russell T. Jordan and Carl E. Duffy, Department of Bacteriology, University of Arkansas, School of Medicine, Little Rock, Arkansas.

10. Encapsulated *Pseudomonas* strains as human pathogens. Peggy Ann Lambert, Bacteriology Section, Pathology Laboratory, Alton Ochsner Foundation Hospital, New Orleans, Louisiana.

13. Substitution of starch, glycogen and dextrin for natural body fluids in the cultivation of *Streptobacillus moniliformis*. Carl E. Duffy and Morris Dumoff, Department of Bacteriology, University

of Arkansas, School of Medicine, Little Rock, Arkansas.

South Central Branch (Officers for 1951: Chairman, George Fasting; Vice-Chairman, James B. Hyndman; Secretary-Treasurer, Helen E. Levy.)

April 21, 1951, Louisiana State University, Baton Rouge.

3. Present-day treatment of leprosy (1 hour). Rolla R. Wolcott, U. S. Marine Hospital, Carville, Louisiana.

2. Oleic acid in the metabolism of *Saccharomyces cerevisiae* Java. Ann Andrews, John F. Christman and Virginia Williams, Louisiana State University.

3. Correlation of the clinical and laboratory studies in tuberculosis. Dwight S. Danburg, Greenwell Springs Tuberculosis Hospital, Greenwell Springs, Louisiana.

4. Bacteriology of bull semen. W. D. Coleman and J. A. Alford, Louisiana State University.

5. Some serological relationships between members of the *Klebsiella-aerobacter* group and the genus *Erwinia*. Barbara Jo Holmes and Margaret Smith, Department of Pediatrics, Tulane University.

Southeastern Branch (Robert L. Emerson, Secretary)

May 4-5, 1951, Seller's Auditorium, Jacksonville, Florida.

1. Bacterial flora of the eye: Organisms found in pre-operative cultures from 1500 cataract cases. Louise R. Cason and C. H. Winkler, Medical College of Alabama, University of Alabama, Birmingham, Alabama.

2. Bacterial enzymes that hydrolyze nitrogen compounds. Arthur F. Novak, Department of Bacteriology and Biochemistry, University of Florida, Gainesville, Florida.

3. The use of oxidation-reduction dyes in the determination of virulence of *Mycobacteria in vitro*. F. Jean Wilson, Catherine Kalish, Robert A. Patnode and Charles H. Fish, CDC Tuberculosis Laboratories, Chamblee, Georgia.

4. Antimicrobial substances in extracts of green plants growing in Florida. Anne Louise Pates and Grace C. Madsen, Departments of Bacteriology and Botany, Florida State University, Tallahassee, Florida.

5. Studies on the mechanism of induced resistance to antibiotic substances. G. E. Schaiberger and R. L. Emerson, Department of Bacteriology, University of Florida, Gainesville, Florida.

6. The *Treponema* immobilization test for syphilis. Martin Frobisher, Jr., CDC Bacteriology Section, Chamblee, Georgia.

7. Citrus waste and stream pollution. John W.

Wakefield, Bureau of Sanitary Engineering, State Board of Health, Jacksonville, Florida.

8. Factors affecting reliability in the bacteriological diagnosis of tuberculosis. Mildred Jefferies, Bureau of Laboratories, State Board of Health, Jacksonville, Florida.

9. Properties of an organism involved in spoilage of frozen concentrated orange juice. J. W. McAllister and R. L. Emerson, Department of Bacteriology, University of Florida, Gainesville, Florida.

10. Jungle Yellow Fever. Martin Frobisher, Jr., CDC Bacteriology Section, Chamblee, Georgia.

11. Some mineral requirements of *Lactobacillus arabinosus*. Francis Jack and Arthur F. Novak, Department of Bacteriology, University of Florida, Gainesville, Florida.

Texas Branch (Officers for 1951: President, S. E. Sulkin; Vice-President, E. M. B. Cook; Secretary, J. B. Cross.)

May 19, 1951, Baylor University College of Medicine, Houston.

1. Studies on the mechanism of antagonism by *Aerobacter* strains. Robert E. Bowling and E. Staten Wynne, The University of Texas M.D. Hospital for Cancer Research, Houston.

2. The effect of certain antibiotics, antimalarial drugs, and amebicides on *Candida albicans*. Oleta Beck and Helen Lacy, Department of Bacteriology, The University of Texas Medical Branch, Galveston.

3. *In vitro* and clinical activity of diaphine against *Candida albicans*. Joyce K. Howard, Garth L. Jarvis, Randolph Clements and G. A. Emerson, Departments of Pharmacology and Obstetrics, The University of Texas Medical Branch, Galveston.

4. Toxicity of elemental sulfur for *Brucella*. V. T. Schuhardt, L. J. Rode, Glenda Oglesby and C. E. Lankford, Brucellosis Research Laboratory of the Clayton Foundation, The University of Texas, Austin.

5. Sterilization of antigens, antisera and antibiotics with ethylene oxide. Frank B. Engley, The University of Texas Medical Branch, Galveston.

6. Some characteristics of *Microsporium gypseum*. W. B. Sharp, Department of Bacteriology, The University of Texas Medical Branch, Galveston.

7. Taxonomic position of strains of aerobic spore-forming bacilli of importance in antibiotic work. Kenneth L. Burdon and Reuben D. Wende, Department of Microbiology, Baylor University College of Medicine, Houston.

8. Intracellular polysaccharide of *Enterobacteriaceae*. Helen Hoyo, C. E. Lankford and J. E. Lutteringer, Department of Bacteriology, The University of Texas, Austin.

9. Production of histamine from imidazole substrates by *Escherichia coli*. Joe B. Nash, Joyce K.

State Howard and Paul L. Ewing, Department of Pharmacology, The University of Texas Medical Branch, Galveston.

acteri- 10. Preliminary studies on the use of the thymonucleic acid test as a diagnostic aid in tuberculosis. Virginia D. Sanders and Albert Leibovitz, 4th Army Area Medical Laboratory, Fort Sam Houston, San Antonio.

spoil- 11. Agglutinins for *Leptospira* in rats trapped in Dallas. Robert M. Pike, Robin I. Burdette and J. W. Elias Strauss, Department of Bacteriology and Immunology, Southwestern Medical School of the University of Texas, Dallas.

ent of 12. Production of a specific antiserum against sickle cell anemia erythrocytes. Rose Schnieder and William C. Levin, Department of Neurology and Medicine, The University of Texas Medical Branch, Galveston.

er, Jr., 13. Effect of age of serum on microbiological response. E. Staten Wynne and Donald A. Mehl, The University of Texas M.D. Anderson Hospital for Cancer Research, Houston.

gia. 14. Universal serologic reaction in neoplasia. Leonard R. Ortega, Cora L. Gott and E. Staten Wynne, The University of Texas M.D. Anderson Hospital for Cancer Research, Houston.

acillus 15. Identification of the 1951 influenza epidemic. G. King and Morris Pollard, Department of Preventive Medicine and Public Health, The University of Texas Medical Branch, Galveston.

ovak, 16. Laboratory findings on the recent outbreak of influenza. Thelma D. Sullivan, James McNeese and J. V. Irons, Bureau of Laboratories, State Health Department, Austin.

Florida, 17. Some field and laboratory notes on *Coxiella burnetii*. Margaret Neville Norris, Clifford W. Johnson, O. L. Walker, Mary Crabbe and J. V. Irons, Bureau of Laboratories, State Health Department, Austin.

S. E. 18. A specific complement fixation test for poliomyelitis. Morris Pollard, Department of Preventive Medicine and Public Health, The University of Texas Medical Branch, Galveston.

; 19. I. M. Lewis Lecture: Q Fever. Rolla E. Dyer, Emory University.

Medi- Washington Branch (Officers for 1951: President, A. M. Griffin; Vice-President, Ralph P. Tittsler; Secretary-Treasurer, Roy C. Dawson.)

am by November 28, 1950, Army Medical Center, Washington, D. C.

and E. 1. "Highlights of the Congress in Rio and of South America", illustrated with kodaslides. Dr. Margaret Pittman, National Institutes of Health, Bethesda, Maryland.

M.D. April 24, 1951, Army Medical Service Graduate School, Army Medical Center, Washington, D.C.

larial 1. The effect of ultraviolet irradiation on the development of bacterial resistance to antibiotics

Oleta Arthur K. Saz and Janen. Toal, National Micro-

biological Institute, National Institutes of Health Bethesda, Maryland.

2. Discussion of the agenda of the S.A.B. Council for the annual meeting. L. Roland Kuhn, Councilor, Department of Bacteriology, Army Medical Service Graduate School.

BOOKS RECEIVED

Elements of Bacterial Cytology (Second Edition). Georges Knaysi. Ithaca: Comstock Publishing Company; 1951. xv + 375 pp., 123 figs., 49 plates, 21 tables \$5.00.

"Since the publication of the first edition of this book, interest in bacterial cytology has increased manyfold and much research has been done on the structure, composition, properties and behavior of the bacterial cell. Consequently, it was found necessary, in preparing this second edition, to re-write all the chapters on the bacterial cell and to add a new chapter on its chemical composition. Knowledge about the cytoplasm and the nucleus has advanced to the point where it was found desirable to discuss these two fundamental structures in separate chapters. The chapter on staining has been partly rewritten, an illustrated paragraph on deep colonies has been added, and recent developments in the cytology of the spirochetes have been briefly presented. The new edition is also better and more liberally illustrated than the first." Thus Dr. Knaysi delineates the scope of the second edition of his book. This volume should be of wide interest to microbiologists, not only because it presents the author's views based on his own numerous researches, but also for his analysis of the evidence presented by others. In a field that is developing as rapidly as bacterial cytology, it is to be anticipated that there will be ample occasion for controversy, which should in no way detract from the importance and interest of the book.

Annual Review of Microbiology, Volume IV. C. E. Clifton, S. Raffel and H. A. Barker, Ed. Stanford, California: Annual Reviews, Inc.; 1950. ix + 383 pp. \$6.00.

Volume IV of the Annual Review of Microbiology covers the following topics: Electron Microscopy of Microorganisms and Viruses, by J. Hillier; Bacteriophages, by T. F. Anderson; Constituents of Mycobacteria, by F. B. Seibert; Mutualisms in Protozoa, by R. E. Hungate; Bacterial Metabolism, by L. O. Krampitz; Newer Antibiotics, by W. E. Herrell; Genetics of Microorganisms, by E. L. Tatum and D. D. Perkins; Genetics of Viruses, by F. B. Gordon; Current Trends of Experimental Research On The Aquatic Phycomycetes, R. Emerson; Development of Bacterial Resistance To Chemotherapeutic Agents, by C. P. Miller and M. Bohnhoff; Chemotherapy Of Virus And Rickettsial Infections, by M. D.

Eaton; Antibiosis In Relation To Plant Diseases, by R. Weindling; Immunological Reactions In Viral Diseases, by H. Koprowski; Immunology Of The Human Mycoses, by A. M. Kligman and E. D. DeLamater; Tularemia, by L. Foshay; Brucellosis, by Mr. R. Castaneda; Influence Of Nutrition In Experimental Infection, by P. F. Clark.

Enterobacteriaceae. F. Kauffmann. Copenhagen: Ejnar Munksgaard; 1951. 338 pp. \$7.50

In this volume is included the available pertinent information concerning the classification and differentiation of the enteric bacteria. The organization of the book and the nomenclature employed therein follow the report of the Enterobacteriaceae Subcommittee of the Nomenclature Committee of the International Association of Microbiologists to the Fifth International Congress of Microbiology in Rio de Janeiro in 1950.

The author defines the family *Enterobacteriaceae* and outlines his conception of its composition and relationships. Thereafter the following groups of interest to medical and veterinary bacteriologists are considered in nine chapters: *Salmonella*, *Arizona*, *Ballerup-Bethesda*, *Escherichia*, *Alkalescens-Dispar*, *Klebsiella*, *Shigella*, *Providencia* (29911 of Stuart), and *Proteus*. As would be expected from the personal interests of the author, the main emphasis is placed on serological identification of types in those groups on which sufficient investigation has been done to permit serologic typing. Nevertheless, the division into groups is accomplished by biochemical methods and the biochemical activities of the types within the groups are carefully catalogued.

The properties of the various classes of antigens found in the enteric bacteria, the serologic behavior of these antigens, the numerous variations to which they are subject, and their relation to serologic identification of types are carefully and lucidly explained. Simplified methods for the diagnosis of the more important types are included. In addition to a discussion of typing, the chapter on the *Escherichia* group includes discussions of the *E. coli* flora of healthy individuals, type distribution in normal and pathological material, and the pathogenicity of *Escherichia* types. The newer knowledge of the relation of certain *E. coli* types to epidemic infantile gastroenteritis is stressed.

The discussions of the various groups are followed by a chapter devoted to intergroup antigenic relationships. Throughout the work the author stresses the fact that the family of enteric bacteria is made up of a series of related types which are not susceptible to division into sharply defined groups. Many intermediate strains occur which arbitrarily must be placed into one group or another by agreement.

The book is concluded by a chapter devoted to media and methods used in the study of enteric

bacteria. The scope and documentation of the book are indicated by the fact that it contains 100 tables and a 10-page bibliography. The volume is clearly and accurately printed and is well indexed. The book is the only work available in which accumulated knowledge of the enteric bacteria is brought together. It is authoritatively written by the foremost worker in the field and will provide an invaluable addition to the library of all workers interested in enteric bacteriology and in serologic identification of bacteria of all types.

Advances in Enzymology. Volume 11. F. F. Nord, Ed. New York: Interscience Publishers, Inc.; 1951. viii + 471 pp. \$9.00.

Volume 11 of this well known series covers the following topics: The Nature of Entropy and Its Role in Biochemical Processes, by Herbert Gutfreund; Reactions at Interfaces in Relation to Biological Problems, by J. F. Danielli and J. T. Davies; Chlorophyll Fluorescence and Photosynthesis, by E. C. Wassink; Thiol Groups of Biological Importance, by E. S. Guzman Barron; Peptic Enzymes, by Hans Lineweaver and Eugene F. Jansen; Enzymic Synthesis of Polysaccharides: A Biological Type of Polymerization, by Edward J. Hehre; The Biological Transformations of Starch, by Stanley Peat; Chemical Investigations on Alliin, the Specific Principle of Garlic, by Arthur Stoll and Ewald Seebach; Some Problems of Pathological Wilting in Plants, by Ernst Gaumann.

Microbiology, General and Applied. W. B. Sarles, W. C. Frazier, J. B. Wilson and S. G. Knight, New York: Harper and Brothers; 1951. xi + 493 pp., 70 figs. \$4.50.

The Enzymes, Volume I, Part 1. J. B. Sumner and K. Myrback, ed. New York: Academic Press, Inc.; 1950. xiv + 724 pp. \$13.50.

The Enzymes, Volume I, Part 2. J. B. Sumner and K. Myrback, ed. New York: Academic Press, Inc.; 1951. x + pp. 725-1361. \$12.80.

Methods of Vitamin Assay, ed. 2. The Association of Vitamin Chemists, Inc., Ed. New York: Interscience Publishers, Inc.; 1951. xviii + 301 pp. \$5.50.

Virus and Rickettsial Diseases. S. P. Bedson, A. W. Downie, F. O. MacCallum and C. H. Stuart-Harris. Baltimore: The Williams and Wilkins Co.; 1950. viii 383 pp., 33 figs. \$4.50.

Diseases of the Tropics. G. C. Shattuck. New York: Appleton-Century-Crofts, Inc.; 1951. xi + 803 pp., 131 figs.

Scientific Russian. J. W. Perry, New York: Interscience Publishers, Inc.; 1950. xxix + 816 pp.

Les Controles Biologique dans les Traitements par la Streptomycine. R. V. Jeantet, Bordeaux: Imprimerie Pechade; 1950.

NEW MEMBERS

New Emeritus Member

Hadley, Philip B., 4800 Friendship Ave., W. Pa. Hospital, Pittsburgh 24, Pa.

New Active Members

(March 1, 1951 through June 8, 1951)

Adams, William R., 342 S. Graham St., Pittsburgh 32, Pa.
 Akin, Benjamin A., Bacteriology Dept., Univ. of Miami Med. Res. Unit, V. A. Hospital, Coral Gables, Fla.
 Allen, Mary Belle, Hopkins Marine Station, Pacific Grove, Calif.
 Allen, William P., 76 Chassin Avenue, Eggertsville 21, New York.
 Allred, Raymond C., Dept. of Bacteriology, Univ. of Kentucky, Lexington, Ky.
 Alvarez, John, 2813 Taliaferro, Tampa, Fla.
 Amos, Harold, Apt B-1, 15 Everett St., Cambridge, Mass.
 Anderson, David W., Bact. Research Laboratory, H. J. Heinz Company, P. O. 57, Pittsburgh 30, Penna.
 Atlas, Dr. Leon T., Common Cold Unit, Lab. of Infectious Dis., Nat'l. Institutes of Health, Bethesda 14, Maryland
 Axelrood, Seymour C., 2249 N. Kedzie Blvd., Chicago 47, Ill.
 Baker, Claude S., 247 West 32nd, Davenport, Iowa
 Barclay, Eugene S., Sharp & Dohme Inc., Glenolden, Penna.
 Barile, Michael F., 3540 E. Med. Bldg., Univ. of Michigan, Ann Arbor, Michigan
 Barrett, James T., Dept. of Bacteriology, State Univ. of Iowa, Iowa City, Iowa
 Beckord, L. D., Box 1146, Milwaukee 1, Wisconsin
 Bell, Dr. C. Cooper, Jr., 6005 S. University Ave., Chicago 37, Ill.
 Benedict, Albert A., 1336 San Pablo Ave., Berkeley 2, Calif.
 Bingenheimer, Joseph J., 704 E. Pleasant Street, Belvidere, Illinois
 Bogert, Alwin B., Westdale Drive, Hillsdale, N. J.
 Bookman, Raymond E., 926 E. King Street, Lancaster, Ohio
 Boucher, Richard D., 224 Highland Ave., Madison, Wisconsin
 Bradfield, Ira E., Holy Name of Jesus Hosp., Gadsden, Ala.
 Brucker, Clarence C., 445 Moull Street, Newark, Ohio
 Brueck, Robert P., 3703 Meadowbrook Ave., Nashville, Tenn.

Bulgaris, Athena, St. Margaret Mem. Hosp. Lab., 265-46th Street, Pittsburgh 1, Penna.
 Bunner, A. E., 591 Chestershire Road, Columbus 4, Ohio
 Burnett, Herbert H., Mason Hall, Michigan State College, East Lansing, Mich.
 Butzi, Dr. Fred F., 5281 N. Teutonia Ave., Milwaukee 9, Wisc.
 Byrne, Miss Anne F., 1430 N. Dearborn St., Chicago, Illinois
 Caillouet, Gilbert E., Box 8066, Louisiana State Univ., Baton Rouge 3, La.
 Campbell, J. Donald, 150-05-88th Avenue, Jamaica 2, N. Y.
 Carmichael, Richard E., 605 W. 3rd St., Marion, Ind.
 Castagno, Joe L., 2332 Main, Joplin, Mo.
 Chamberlain, Robert E., Dept. of Bacteriology, Univ. of Michigan, Ann Arbor, Michigan
 Chang, Sing Chen, 2700 Q Street N. W., Washington 7, D. C.
 Chock, Hugh W., 3916 S. Grand Avenue, Los Angeles 37, Calif.
 Chu, David C. Y., Dept. of Bacteriology, Univ. of Oregon Med. Sch., Portland 1, Oregon
 Clark, William A., Ayerst McKenna & Harrison Ltd., P O Box 6115, Montreal Que., Canada
 Coben, Helene D., 6434 Yucca Street, Los Angeles 28, Calif.
 Colbert, James W., Jr., M.D., New Haven Hospital, New Haven, Conn.
 Collet, Mrs. Elizabeth, Olentangy River Road, R D #1, Powell, Ohio
 Conner, Phyllis, 6945 S. Crandon, Chicago, Illinois
 Cox, Charles, Abbott Laboratories, North Chicago, Ill.
 Cross, Jay N., 3437 N. Gale, Indianapolis 18, Ind.
 Deane, George J., 2825 Regent Street, Madison, Wisconsin
 Deemer, Clarence F., Raubsville, Penna.
 Deibel, Robert H., 1146 W. Montrose, Chicago 13, Ill.
 Dewitt, Wm. G., Bottlers' Service Dept., Coca-Cola Company, P O Drawer 1734, Atlanta 1, Ga.
 Diamond, Dr. Ben Elkan, Director, Division of Laboratories, S. D. State Dept. of Health, Pierre, South Dakota
 Ditoro, Dominick, 164 Panama Street, Pittston, Penna.
 Donovan, Mary Margaret, 114 Park Avenue, Naugatuck, Conn.
 Draper, Miss Janet O., 725 N. Penn. Street, Indianapolis, Ind.

- Driesens, Robert J., 531 Sycamore Lane, East Lansing, Michigan
- Dwyer, Arthur C., Indiana Univ. Med. Cent., 1020-1040 W. Michigan St., Indianapolis, Ind.
- Eggers, Martha P., 329 S. Graham Street, Pittsburgh 32, Penna.
- Elliott, Robert A., Apartment F, 551 Hess Road, Columbus 10, Ohio
- Ellis, John G., 745 Washington St., Wellesley, Mass.
- Engelbrecht, Richard S., 87 Thornton Road, Chestnut Hill 67, Mass.
- Engstrom, David E., 702 First Ave., West, Flandreau, South Dakota
- Fagan, Maurice S., Richmond Mills Road, Livonia, New York
- Falco, Frank G., 3763 Floresta Way, Los Angeles 43, Calif.
- Ferraro, Bernard J., 6727 Rowan Avenue, Pittsburgh 6, Penna.
- Fina, Dr. Louis R., Univ. of Wyoming, Dept. of Bacteriology, Laramie, Wyo.
- Finkelstein, Harold, 9421 Cattaraugus Ave., Los Angeles 34, Calif.
- Folkerts, Thomas M., Dept. of Bacteriology, Noyes Lab., Univ. of Ill., Urbana, Illinois
- Frank, Hilmer A., Box 2132, Stadium Commons, Pullman, Washington
- Friedman, Mischa E., Labs. of Bacteriology, Dept. of Dairy Science, University of Illinois, Urbana, Ill.
- Fusillo, Matthew H., 8 L Southway Road, Greenbelt, Maryland
- Galbraith, Elizabeth L., 78 Binscarth Road, Toronto 5, Ont., Canada
- Greenty, William T., Jr., 55 South Water Street, East Port Chester, Conn.
- Goldberg, Sheldon S., 27 Dawson Avenue, Springfield, Mass.
- Goldsworthy, Neil E., Inst. of Dental Research, 2 Chalmers Street, Sydney, Australia
- Goodman, Joseph J., Lederle Cyanamid Co., Pearl River, N. Y.
- Grady, Joseph E., 129 So. Grant St., West Lafayette, Ind.
- Granoff, Allan, 4043 Baltimore Ave., Philadelphia 4, Pa.
- Gray, Joseph E., 409-B Hawthorn Lane, East Lansing, Michigan
- Gregory, Barbara R., 209 Cascadilla Street, Ithaca, New York
- Haack, Miss Marie C., 120 E. Central Avenue, Pearl River, New York
- Habel, Dr. Karl, National Inst. of Health, Bethesda 14, Maryland
- Halpern, Bernard, 1217 East 53rd St., Chicago, Illinois
- Hammarlund, Edwin R., 912 East 115th St., Seattle 55, Washington
- Harrington, Norris H., Sharp & Dohme, Inc., Glenolden, Penna.
- Harris, Walter L., Box 237, University Station, Moscow, Idaho
- Hayes, Thos. J., 434 Fairwood Ave., Columbus 5, Ohio
- Heberling, Richard L., 18 N. 25th Street, Mt. Penn, Reading, Penna.
- Hedges, Anna E. F., Laboratory, Veterans Admin. Hosp., Wadsworth, Kansas
- Hench, Miles E., 1103 Goshen Ct., Willow Run, Michigan
- Henderson, Dr. R. Douglas, Development Merck & Co. Ltd., Valleyfield, Quebec, Canada
- Hendricks, M. Jean, Commercial Solvents Corp., Process Laboratory, Terre Haute, Ind.
- Hermann, Dr. George J., Laboratory Division, USPHS C D C Chamblee, Georgia
- Herzberg, Mendel, 1610 Golden Gate Ave., San Francisco 15, Calif.
- Hess, Dr. Walter R., Suburban Labs. Inc., 2137 S. Lombard Ave., Cicero 50, Ill.
- Holmes, Donald H., 3105 N. Capitol, Indianapolis, Ind.
- Honaker, Marilyn G., R D #1, Alliance, Ohio
- Hooton, Daniel E., % Bryn Mawr Apts., 5550 N. Kenmore Ave., Chicago 40, Illinois
- Hubbell, Joseph C., Jr., 2941 Bowley Street, Charlotte, N. C.
- Hulse, Dr. Ruth M., 3522 Woodland, Kansas City 3, Mo.
- Hunter, Marthalou, V. A. Hospital, Dublin, Ga.
- Hurtado, Jose R., Laboratorio de Aguas, Instituto Nacional de Obras Sanitarias, Caracas, Venezuela
- Jacobs, William L., Production Dept., Commercial Solvents Corp., Terre Haute, Ind.
- Jensen, John H., 807 East Montgomery Ave., North Wales, Penna.
- Jones, Robert L., 715 S. Burgess Avenue, Columbus 4, Ohio
- Joseph, J. Mehse, 817 Park Avenue, Baltimore 1, Md.
- Jule, Robert R., 16 Crawford St., Syracuse Univ. Trailer Camp, Syracuse, New York
- Kapros, Charles E., 9 Columbus Avenue, Springfield, New York
- Kasper, George J. A., 820 Seventeenth St., Union City, N. J.
- Kelly, Joseph P., Laboratory, New Rochelle Hospital, New Rochelle, New York
- Kligman, Dr. Albert M., 813 Powder Mill Lane, Philadelphia 31, Penna.
- Klingensmith, William H., 998 Lardner Terrace, Philadelphia 11, Penna.
- Klinger, Dr. Lawrence E., 1125 West 71st Street, Chicago 21, Ill.
- Koike, Hideo, Bacteriology Dept., Kansas State College, Manhattan, Kansas

- Inc., Kruger, Charles J., 403 Johnson Street, Rahway, New Jersey
- ation, Kupsky, Charles H., 813 "C" Maple Lane, E. Lansing, Mich.
- bus 5, Kuzdas, Charles D., Jr., Unit 65 F, Badger, Wisc.
- , Mt. Lecce, James G., % Dept. of Bacteriology, Paterson Hall, State College, Penna.
- admin. Legator, Marvin, 402 Springfield Ave., W., Urbana, Illinois
- Run, Lemp, John F., Jr., 1627 Joesting Ave., Alton, Illinois
- Merck, Lesko, Matthew M., 6008 So. Washtenaw Ave., Chicago 29, Ill.
- Corp., Lindorfer, Robert K., 1061 Van Slyke Ave., St. Paul 3, Minn.
- ision, Lockhart, William R., Dept. Biological Sciences, Purdue University, Lafayette, Indiana
- , San Logwood, George R., 172 Tennyson Avenue, Detroit 3, Michigan
- 2137 Long, Sterling K., Delta Tau Delta House, Gainesville, Fla.
- apolis, Lord, Thomas H., Dept. of Bacteriology, Kansas State College, Manhattan, Kansas
- io Lowe, Miss Joan, General Science Dept., Carnegie Inst. of Technology, Pittsburgh 13, Pa.
- 50 N. Lukenbill, Arlene H., 6450 Broadway, Indianapolis, Ind.
- Street, Lynch, John E., Bacteriology Dept., Michigan State College, East Lansing, Michigan
- Kansas McIntyre, Leo R., 45 S. Magnolia St., Pearl River, N. Y.
- , Ga. Mabry, Dabney S., 2015 Harwitch Road, Columbus 12, Ohio
- stituto Manire, George P., Dept. of Bacteriology, Univ. of N. C. Medical School, Chapel Hill, N. C.
- Ven- Margeson, Paul B., 3940 Eliot Road, Erie, Penna.
- mercial Markowitz, Abraham, 4593 $\frac{1}{2}$ Fountain Ave., Los Angeles 27, Calif.
- Ave., Marth, Elmer H., 823 W. Johnson St., Madison, Wisconsin
- venue, Martineau, Dr. Perry C., 1151 Taylor Avenue, Detroit 2, Mich.
- ore 1, Matisheck, Peter H., 4135 Union Bay Place, Seattle 5, Wash.
- Univ. Mechalas, Byron J., 1918 Diversey Pkwy., Chicago 14, Illinois
- Spring Meeks, Mrs. Mabel V., 64 Garden Street, Hartford 5, Conn.
- Union Merriion, H. Joseph, Malvern Avenue, Malvern, Penna.
- ochelle Minsley, Nat M., 42 Edgewood Ave., Kenmore 23, N. Y.
- Lane, Mizuno, William G., Economics Laboratory Inc., 914 Guardian Bldg., St. Paul, Minn.
- errace, Mohr, Wilbur H., 938 North 9th St., Manitowoc, Wisc.
- Street, Molnar, Miss Dorothy M., Camp Detrick, Frederick, Md.
- State Morris, Thomas G., Dept. of Bacteriology, University of Wisconsin, Madison 6, Wisconsin
- Muller, Robert H., 36 Glen Ridge Parkway, Montclair, New Jersey
- Munson, Catherine H., 1414 E. 67th Place, Chicago 37, Illinois
- Murad, Emil M., 1929 Livonia Ave., Los Angeles 34, Calif.
- Narrood, Stuart A., 1004 California, Urbana, Illinois
- Nester, Eugene W., 15 Tracy Street, Binghamton, New York
- Neumeier, Mary Katherine, Dept. of Health, Court House, Walla Walla, Washington
- Nicoll, Claudia N., 69 Summer Street, Andover, Mass.
- Nielsen, Albert K., 106 Winchester St., Warrenton, Va.
- Norman, James O., M.D. Anderson Hospital, Pathology Dept., Houston 6, Texas
- Novick, Aaron, Inst. of Radiobiology & Biophysics, University of Chicago, Chicago 37, Illinois
- O'Brien, Donald J., American Can Co., Box 1732, 1st Ave & 22nd St., Tampa 1, Fla.
- O'Neal, Tommy A., Rt. 5, Box 438, Palestine, Texas
- Osborne, Earl D., Jr., Camp Detrick, Maryland
- Packer, Lester, 3451 Giles Place, Bronx, New York, N. Y.
- Page, Leslie A., MV Division, Camp Detrick, Frederick, Md.
- Pappas, Harry J., 8131 S. Anthony Ave., Chicago 17, Ill.
- Parker, Richard B., Dept. of Bacteriology, Oregon State College, Corvallis, Oregon
- Pital, Abe, 480 W. Shaw Hall, Michigan State College, E. Lansing, Michigan
- Postak, John N., 177 Chittenden Ave., Columbus 1, Ohio
- Proctor, Dr. Ardell M., Res. & Dev. Branch, Fitzsimons Army Hosp., Denver 8, Colo.
- Pryor, Dr. Leon D., 214 Jacksboro Pike, Knoxville 18, Tenn.
- Quinnell, Miss Clara Mae, Dept. of Bact. Agri. Hall, Univ. of Wisconsin, Madison, Wisc.
- Read, Kurvenal S., Dept. of Biological Sci., Purdue University, Lafayette, Ind.
- Reeve, Rex W., Swift & Co. Res. Lab., 4100 Packers Ave., Chicago 9, Illinois
- Rhodes, J. Cecil, Box 191, Jenkintown, Penna.
- Richberg, Carl G., 209 Second Street, Liverpool, New York
- Rodenberg, Sidney D., Department of Botany, Washington University, St. Louis 5, Mo.
- Rose, Norman, 1623 Lafayette Road, Los Angeles 19, Calif.
- Rosenman, Sanford B., Wyeth Inst. of Applied

- Biochem., 900 North Broad Street, Philadelphia 30, Penna.
- Roth, Norman G., 1513 Maryland Drive, Urbana, Illinois
- Sabet, T. Y., P. O. Box 147, East Lansing, Michigan
- Sarachek, Alvin, 6151 Holmes, Kansas City, Mo.
- Schuchardt, Lee F., Medical Research Div., Sharp & Dohme Inc., Glenolden, Penna.
- Schwab, Bernard, 16 Stoneland Road, Worcester, Mass.
- Shapilo, John J., 102 N. Maple, Albuquerque, New Mexico
- Shiveler, George C., 2670 Shaffer Ave., Apt. 5, Cincinnati 11, Ohio
- Sisley, Dan H., 6440 W. 77th Street, Los Angeles 45, Calif.
- Smith, Donald W., 3542 E. Medical Bldg., Bacteriology Dept., Univ. of Michigan, Ann Arbor, Michigan
- Smith, Irene M., 109 N. Elmer Ave., Sayre, Penna.
- Smith, Robert M., Dept. of Agri. Bacteriology, Univ. of Wisconsin, Madison 6, Wisconsin
- Snyder, Harold, 1505 Grand Concourse, Bronx 52, New York
- Sonea, Dr. Sorin, Dept. of Bacteriology, University of Montreal, 2900 Boul du Mont-Royal, Montreal 26, P. Q. Canada
- Soret, Dr. Manuel G., Bacteriology Dept., Univ. of Miami Med. Res. Unit, V. A. Hospital, Coral Gables, Fla.
- Speck, Dr. Reinhard S., Div. of Bact. Sch. of Med., Univ. of California, San Francisco, Calif.
- Spendlove, J. Clifton, Dept. of Bacteriology, Ohio State University, Columbus 10, Ohio
- Sprunt, Dr. Katherine, 123 W. 13th Street, New York 11, N. Y.
- Stapley, Edward O., 15 Chester Circle, New Brunswick, N. J.
- Steele, Ernest K., 3722 Sheppard St., Brentwood, Maryland
- Steinkrans, Keith H., Bertha, Minnesota
- Stephenson, John R., 12420 Milbank Street, North Hollywood, Calif.
- Stevens, David A., Dept. Preventive Medicine, Western Reserve University, School of Medicine, Cleveland 6, Ohio
- Stevens, Marion L., Dept. 913, Lederle Laboratories, Pearl River, New York
- Stoner, Richard D., Div. of Bact. & Virology, Brookhaven Nat'l. Lab., Upton, L. I., New York
- Stutz, Richard G., U. S. Public Health Serv., 1014 Broadway, Cincinnati 2, Ohio
- Taylor, Mildred W., USPHS Communicable Dis. Cent., Enteric Bacteriology Lab., P. O. Box 185, Chamblee, Georgia
- Tenenbaum, Saul, Premo Pharm. Labs., Leuning Street, So. Hackensack, N. J.
- Thompson, Wenzel S., Ohio Dept. Agri. Plant Ind. Div., Feed & Fertilizer Laboratory, 87 North 4th St., Columbus 15, Ohio
- Tierney, Charles L., 117 East Myrrh St., Compton, Calif.
- Umezawa, Dr. Hamao, 26 Toyotama Kita Nityome, Nerimaku, Tokyo, Japan
- Vogel, Willard L., 1008 Manzanita Street, Los Angeles 29, Calif.
- Volini, Miss Marguerite, 7125 N. Paulina, Chicago, Illinois
- Wagner, Morris, Box 51, Lobund, Notre Dame, Indiana
- Walchli, Herman H., Jr., Rt. 6—Maple Lane, Peoria, Ill.
- Wallace, Jack L., 857 North "L" St., Livermore, Calif.
- Walters, Matthew L., 203 North Terrace, Atchison, Kansas
- Walton, James G., Box 69, Vanderbilt Univ., Nashville, Tenn.
- Waters, William R., Dir. of Applied Biology, National Research Council, Sussex Street, Ottawa, Ont., Canada
- Watt, Dean D., Dept. of Botany & Plant Path. Agri. Exp. Sta., Purdue Univ., Lafayette, Indiana
- Webb, Erskine L., 11-C Veterans Housing Proj., Chatauquast, Carbondale, Illinois
- Weiss, Freeman A., 2029 M Street, N. W., Washington 6, D. C.
- White, Maurice L., 7154 N. Hayworth Ave., Los Angeles 46, Calif.
- Wiezalis, Joseph J., 151 Seymour Street, Hartford, Conn.
- Williams, Anna Maria, 2025 University Avenue, Madison 5, Wisconsin
- Williams, R. Dee, 656 South 1st, West, Richfield, Utah
- Winterscheid, Loren C., 519 South 41st St., Philadelphia 4, Penna.
- Witter, Lloyd D., Dept. of Microbiology, Univ. of Washington, H. S. Bldg., Seattle 5, Washington
- Wolcyc, Sylvia, Botany Section, 385 Natural Resources Bldg., Urbana, Ill.
- Wyant, Kathleen D., 647 Cresthill Ave. N. E., Atlanta, Georgia
- Yamamoto, Riyoso, 1052 4th Avenue, Los Angeles 19, Calif.
- Yigdoll, Miss Irene R., 89 Ohio Avenue, Long Beach, New York
- Zaborowski, Helen, 3437 N. New England Ave., Chicago 34, Ill.
- Zierdt, Charles H., 25510 Hoffmeyer Ave., Roseville, Mich.
- Zimmerman, Gustina, Zimmerman Laboratories, 202 Dryden Bldg., Flint 3, Mich.
- Zora, John G., Sigma Chi Fraternity, State College, Penna.

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